NBS

Technical Note

120-A

A TABULATION OF THE THERMODYNAMIC PROPERTIES OF NORMAL HYDROGEN FROM LOW TEMPERATURES TO 540 °R AND FROM 10 TO 1500 PSIA

SUPPLEMENT A (BRITISH UNITS)

JOHN W. DEAN

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

THE NATIONAL BUREAU OF STANDARDS

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JUNE, 1962

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CONTENTS

LIST OF FIGURES

PREFACE

This is a supplementary edition of the National Bureau of Standards Technical Note No. 120, and presents the same data in the dimensional units of the British system. The original text has been included to indicate the methods used to generate the property tables. Pressure and temperature ranges have been modified slightly to allow the use of integer increments. In addition, a 10 psia isobar has been included. Computations were performed in the metric unit system and converted using the following relations:

Pressure	atm x 14.696006 = psia
Specific Volume.	cc/gram x 0.016018 = ft^3/lb
Temperature	^oK x 1.8 = ^oR
Enthalpy.	cal/gram x 1.798823 = Btu/lb
Internal Energy.	cal/gram x 1.798823 = Btu/lb
Entropy	cal/gram -^oK x .999346 = Btu/lb -^oR

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by

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ABSTRACT

Pressure, volume, temperature, internal energy, enthalpy, and entropy of normal hydrogen gas have been tabulated along isobars in 2°R temperature steps. The range covered is from the saturation temperature to 540°R and from a pressure of 10 to 1500 psia. The source of data is Research Paper 1932 of the National Bureau of Standards Journal of Research. The method is described by which the data presented in Research Paper 1932 is reduced to properties directly useful for engineering calculations. A method is also described for estimating the effects of ortho-para compositions upon the tabulated properties.

Tabular values are presented in the dimensional units of the British system. The tabulations are also available in the dimensional units of the metric system as Technical Note No. 120.

INTRODUCTION

The thermodynamic properties of normal hydrogen have been tabulated along isobars in 1°K increments and a method is described for estimating the effect of ortho-para composition on these properties. The reference for this work is Research Paper 1932 (RP 1932) of the National Bureau of Standards Journal of Research[1] where residual thermodynamic functions are tabulated as a function of the amagat density. The task described here is primarily the interpolation from density to pressure as an independent variable and the reduction of the residual functions to thermodynamic properties useful for engineering calculations. In addition, properties of the saturated vapor and liquid have been tabulated.

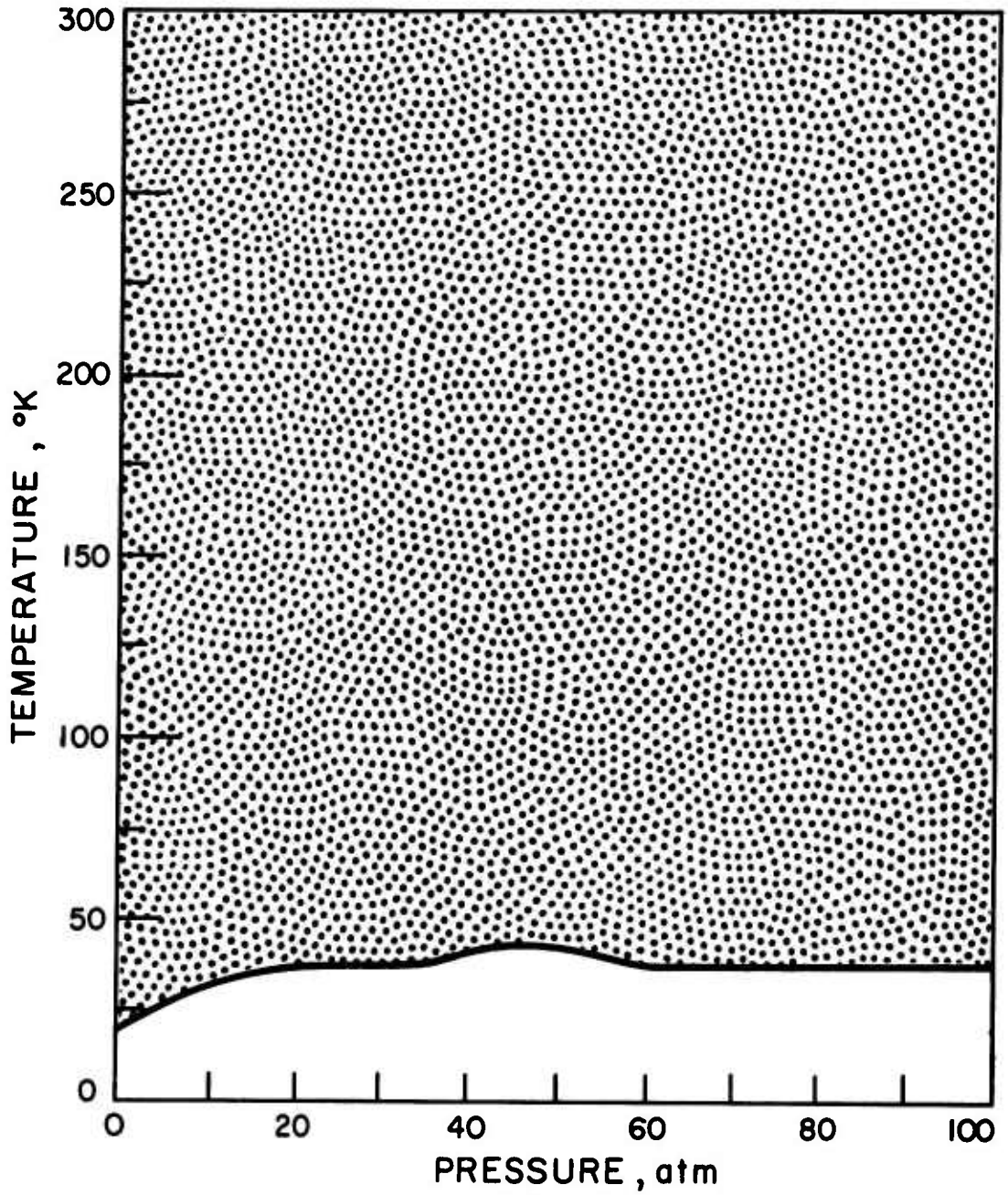
Obviously, some of this work had been performed before in order to construct the temperature-entropy diagram given in RP 1932 and to tabulate the few isobars given in NBS Circular 564[2]. It was desired to obtain the thermodynamic properties in a form that would be acceptable as input for electronic digital computers in more detail than previously obtainable. Therefore, it was judged easiest to repeat this work with an electronic digital computer using selected tables of RP 1932 as input. Results were obtained in the form of Hollerith punched cards and magnetic tape.

Properties tabulated are pressure, temperature, specific volume, internal energy, enthalpy, and entropy. The pressure range covered is from 1 to 10 atm in steps of 1 atm and from 10 to 100 atm in steps of 5 atm. Below the critical pressure the temperature ranges from the saturation temperature to 300°K. Above the critical pressure the temperature ranges from slightly above the critical temperature to 300°K. See the T-P plot of Figure 1.

Symbols

P = pressure in atmospheres
Z = dimensionless compressibility factor = PV/RT
V = volume in liters/mole or cc/gram
ρ_* = density in moles/liter or grams/cc
ρ = dimensionless amagat density = ρ_*/ρ_s

ρ_s = density at standard conditions (1 atm, 0°C) moles/liter



Graph of

Temperature - Pressure Region
Included in this Report

Figure I

ρ_c = amagat density at the critical point

T = temperature in °K

T_c = critical temperature - °K

R = molar gas constant = 8.3144×10^7 erg-mole^{-1}-°K^{-1}

H = enthalpy of real gas in cal/mole or cal/gram

H^o = enthalpy of ideal gas in cal/mole

E_o^o = zero temperature residual energy - cal/mole

S = entropy of real gas in cal/mole - °K or cal/gram - °K

S^o = entropy of ideal gas in cal/mole - °K

$S^o_{P=1}$ = entropy of ideal gas at one atmosphere in cal/mole - °K

$S_{\rho=1}$ = entropy of ideal gas at one amagat in cal/mole - °K

U = internal energy of real gas in cal/mole or cal/gram

M = molecular weight in grams/mole

C_p^o = ideal specific heat in cal/mole -°K

C_p = specific heat of real gas in cal/mole -°K

All units are as defined above except where noted. Symbols representing coefficients of equations and subscripts are defined in the text.

Physical Constants. The physical constants are those used in RP 1932. The molar volume of hydrogen at standard conditions (1 atm and 0°C) is 22.4279 liters. The molecular weight is 2.01572 grams and the gas constant R is 1.98714 cal/mole -°K. It is recognized that more recent determinations of the gas constant have been made; however, the value stated is intrinsically incorporated in the tables of RP 1932 and therefore was used in reducing these tables. Correcting this gas constant to a more recent value may be done if desired.

GASEOUS HYDROGEN

Data Reduction. The authors of RP 1932 have chosen to present the following parameters at constant temperature in tabular form as a function of the amagat density:

P - pressure,
Z - dimensionless compressibility = PV/RT,

$\frac{H^o-H}{RT}$ - dimensionless enthalpy residual function,

$\frac{S^o-S}{R}$ - dimensionless entropy residual function.

Residual functions are the differences between values for real and ideal gas at the same temperature and density. To determine H and S, the values of H^o and S^o must first be known.

Values of $H^o-E_o^o$ are tabulated on page 390 of RP 1932. The residual zero point energy of the ideal gas, E_o^o, was defined as zero. Since H^o is a function of the temperature only, the value of H was found directly from the enthalpy residual at the desired temperature and density.

S^o is a function of both the temperature and density and therefore more steps are required to determine S. The ideal entropy at one atmosphere is tabulated on page 390 of RP 1932 as a function temperature. The residual function $(S^o_{P=1} - S^o_{\rho=1})/R$ is tabulated on page 436. The value of $S_{\rho=1}$ was then found for each temperature. The relationship between the ideal entropy at the same temperature and the desired density was found from the relationship:

$$(S^o_{\rho=1} - S^o)/R = \ell n \rho. \qquad (1)$$

Once S^o was found, then S was directly determined for the same temperature and density from tables of $(S^o - S)/R$ given on page 436 of RP 1932.

The specific volume was calculated from the compressibility corresponding to the desired pressure while the internal energy was calculated from the relationship:

$$U = H - 24.2179\ PV. \qquad (2)$$

The molecular weight was used to convert units of properties tabulated in this work to a gram basis.

Interpolation. Tables of P, Z, $(H^o - H)/RT$ and $(S^o - S)/R$ were constructed from RP 1932 for a selected number of temperatures and treated as computer input. A Lagrangian interpolation routine of a fourth order was used to determine values of Z, $(H^o - H)/RT$ and $(S^o - S)/R$ for even values of P. This interpolation was done for twenty five isotherms spaced closer together near the critical temperature. The thermodynamic properties were then calculated as described at the even values of pressures for the selected temperature.

Isobaric tables of P, T, U, H, S, and V were compiled from the results of the isothermal interpolation. These tables were used as input to a tenth order Lagrangian interpolation routine that produced the properties in one degree temperature increments along isobars. A tenth order was necessary to obtain sufficient accuracy near the critical point.

COMPRESSED FLUID REGION

Residual enthalpy and entropy functions have not been tabulated in RP 1932 for the region near the critical temperature and above the critical pressure; however, an estimate of these properties is given in the temperature entropy diagram in RP 1932. Properties were read from the chart and compiled along isobars. These data were then smoothed with a least squares computer program. The maximum extension of data with this technique is between 60 and 36°K for the 100 atmosphere isobar. This method is recognized as being less desirable than a calculation of thermodynamic properties from PVT data. It was adopted as an interim solution until new PVT measurements are available.

SATURATED VAPOR PROPERTIES

The enthalpy, internal energy, and entropy of the saturated vapor are not tabulated in RP 1932. These properties were found from the saturated PVT data with the aid of thermodynamic equations and an equation of state. A PVT relationship derived from a correlation for the region of pressures less than critical is:

$$\frac{T^{\frac{3}{2}}}{\rho}\left(1 - \frac{PV}{RT}\right) = A + C\rho. \qquad (3)$$

A and C are coefficients derived from the correlation and tabulated as a function of temperature on page 430 of RP 1932. The equation may be rewritten using the definition of the amagat density as follows:

$$P = R\rho_* T - \frac{AR\rho_*^{\,2} T^{-\frac{1}{2}}}{\rho_s} - \frac{CR\rho_*^{\,3} T^{-\frac{1}{2}}}{\rho_s^{\,2}}. \qquad (4)$$

The derivative of this equation with respect to T at constant ρ_* is:

$$\left(\frac{\partial P}{\partial T}\right)_{\rho_*} = R\rho_* + \frac{AR\rho_*^{\,2} T^{-\frac{3}{2}}}{2\rho_s} - \frac{R\rho_*^{\,2} T^{-\frac{1}{2}}}{\rho_s}\,\frac{dA}{dT}$$

$$+ \frac{CR\rho_*^{\,3} T^{-\frac{3}{2}}}{2\rho_s^{\,2}} - \frac{R\rho_*^{\,3} T^{-\frac{1}{2}}}{\rho_s^{\,2}}\,\frac{dC}{dT} \qquad (5)$$

The thermodynamic equations used to calculate the enthalpy and the entropy along isotherms were derived from the literature (3) and are as follows:

$$H_{T,P} = H^{o} + RT(Z-1) + \int_0^{\rho_*} \left[\frac{P}{\rho_*^{\,2}} - \frac{T}{\rho_*^{\,2}}\left(\frac{\partial P}{\partial T}\right)_{\rho_*}\right] d\rho_*. \qquad (6)$$

$$S_{T,P} = S^{o}_{P=1} - R\ell n(\rho_* RT) + \int_{o}^{\rho_*} \left[\frac{R}{\rho_*} - \frac{1}{\rho_*^2} \left(\frac{\partial P}{\partial T} \right)_{\rho_*} \right] d\rho_*. \quad (7)$$

Equations 4 and 5 were substituted into equations 6 and 7 and the integration performed yielding the following expressions.

$$H_{T,P} = H^{o} - \frac{3}{2} \rho A R T^{-\frac{1}{2}} + \rho \frac{dA}{dT} R T^{\frac{1}{2}} - \frac{3}{4} \rho^2 C R T^{-\frac{1}{2}} + \frac{1}{2} \rho^2 \frac{dC}{dT} R T^{\frac{1}{2}} + RT(Z-1). \quad (8)$$

$$S_{T,P} = S^{o}_{P=1} - R\ell n(\rho_* RT) - \frac{A R T^{-\frac{3}{2}}}{2} \rho + R T^{-\frac{1}{2}} \rho \frac{dA}{dT} - \frac{C R T^{-\frac{3}{2}}}{4} \rho^2 + \frac{R T^{-\frac{1}{2}}}{2} \rho^2 \frac{dC}{dT} \quad (9)$$

All the terms needed to evaluate equations 8 and 9 are tabulated in RP 1932 on page 390 and 430 as a function of temperature. The saturation temperature for even values of pressure had to be found and these terms interpolated. The vapor pressure equation of RP 1932, page 454, was used and rewritten in the following form:

$$T^2 + (A - \mathrm{Log}_{10} P) \frac{T}{C} + \frac{B}{C} = 0 \quad (10)$$

where

P = pressure in mm Hg

T = temperature -°K

and the coefficients in consistent units are

A = 4.66687
B = -44.9569
C = 0.020537.

The rational root of T was found for pressures ranging from 1 to 10 atmospheres, with the aid of the quadratic equation. The data tabulated on page 390 and 430 of RP 1932 were fitted using a least squares method and evaluated at the saturation temperature. All the data, with the exception of the density were fitted to simple polynomials. The saturated vapor density required a more complex function. Guggenheim (4) suggested two formulas to describe the reduced densities of coexisting liquid and gas phases. These formulas were solved for the saturated vapor density reduced by the critical density. The resulting equation does not accurately define the saturated vapor curve; however, it suggests a power series that proved to be satisfactory. The saturated vapor amagat density was fitted to the following function:

$$\frac{\rho}{\rho_c} = \sum_{n=o}^{n=6} A_n \left(1 - \frac{T}{T_c}\right)^{\frac{n}{3}} \qquad (11)$$

where

$$A_o = + 335.12718$$

$$A_1 = - 413.45285$$

$$A_2 = + 205.88693$$

$$A_3 = + 276.27619$$

$$A_4 = - 1038.60494$$

$$A_5 = + 2126.07236$$

$$A_6 = - 1073.75112 .$$

This function fits the saturated vapor density curve from the critical temperature to 18°K with a maximum deviation of about 0.1%. The resulting data were used to evaluate equations 7 and 8 for the saturated vapor. These calculations appear as the first entry of the isobaric tabulations for pressures of 1 to 10 atmospheres.

SATURATED LIQUID PROPERTIES

A table of estimated saturated liquid properties of normal hydrogen have been included to aid engineering calculations. The enthalpy and entropy have been found by plotting and smoothing the data presented in the temperature-entropy diagram of RP 1932. It is recognized that these properties are not well defined (see the discussion, page 468 of RP 1932). For instance, calculation of these properties from the latent heat of vaporization equation, page 465 of RP 1932, and the saturated vapor properties tabulated in this work gives an enthalpy value six percent low and the entropy value six percent high from the values tabulated at five atmospheres. Better agreement is obtained (within one percent) at one atmosphere.

The specific volume of the saturated liquid has been taken from table 31, page 460 of RP 1932. The internal energy was calculated from equation 2.

Tables of Saturated Liquid Properties
of Normal Hydrogen

Pressure atm	Temperature °K	Specific Volume cc/gm	Enthalpy cal/gm	Internal Energy cal/gm	Entropy cal/gm-°K
1	20.39	14.09	65.0	64.7	4.14
2	22.97	14.78	71.5	70.8	4.44
3	24.74	15.38	76.5	75.4	4.61
4	26.13	5.92	81.5	80.0	4.78
5	27.29	16.47	86.0	84.0	4.91
6	28.29	17.06	90.5	88.0	5.04
7	29.19	17.71	95.0	92.0	5.15
8	29.99	18.45	99.0	95.4	5.30
9	30.73	19.39	103.5	99.3	5.43
10	31.41	20.39	108.0	103.0	5.53

EFFECT OF ORTHO-PARA CONCENTRATION

The thermodynamic properties tabulated in this report are for normal hydrogen (25% para and 75% ortho). Frequently the engineer desires to predict these properties for other ortho-para compositions. Methods outlined below can be used to make such predictions.

The pressure, volume, temperature relationship for gaseous and liquid hydrogen is not strongly affected by the ortho-para composition. Goodwin (5) of NBS is measuring the PVT properties of gaseous parahydrogen. His preliminary results have been checked against measurements of normal hydrogen. The differences are small, but measurable, amounting to about 0.1 percent at a temperature of 80°K and 100 atm. The molar volume of liquid normal hydrogen and liquid parahydrogen under saturation conditions are also given in RP 1932, page 460, and are seen to differ by about one-half percent; the molar volume of parahydrogen being greater than that of normal hydrogen. It is perhaps fortunate that the differences are indeed small or the PVT data of early investigators (before the discovery of ortho-para forms of hydrogen) would be less useful.

The enthalpy, entropy, and specific heat of hydrogen are strongly affected by the ortho-para composition. The effect on these properties for hydrogen in the ideal gas state is given in table 4, page 387, of RP 1932. The correction of these properties, starting from data on normal hydrogen in the real gas state, for other ortho-para compositions may be made with the aid of this table. In general, assuming the correction to be independent of density, the difference between the properties for normal hydrogen and hydrogen of some other ortho-para composition in the ideal gas state is algebraically added to the properties for the real normal gas tabulated in this report. This must be done at the same temperature and may be expressed as follows:

$$C_{P_x} = C_{P_n} + \Delta C^{o}_{P(n-x)} \qquad (12)$$

$$H_X = H_n + \Delta H^{o}_{(n-x)} \qquad (13)$$

$$S_x = S_n + \Delta S^{o}_{(n-x)}. \qquad (14)$$

The subscripts are:

n = mole fraction of normal hydrogen (. 25 Para)

x = mole fraction of desired para concentration.

The incremental terms (Δ) are calculated from table 4, page 387 of RP 1932; the specific heat and enthalpy terms being calculated directly from the para composition as follows:

$$\Delta C^{o}_{P_{(n-x)}} = (x - .25)\, C^{o}_{P_{(o-p)}} \tag{15}$$

$$H^{o}_{(n-x)} = (x - .25)\, H^{o}_{(o-p)} \tag{16}$$

The terms subscripted (o-p) are the difference in the ideal gas state between 100% ortho and 100% para for the property considered.

The ideal entropy of the desired para concentration may be calculated with the expression:

$$S^{o}_{x} = xS^{o}_{P} + (1 - x)\, S^{o}_{O} - R\left[x\ell nx + (1 - x)\ell n\,(1-x)\right] \tag{17}$$

The final term of this equation expresses the entropy of mixing of the ortho-para forms of hydrogen. The incremental term, $\Delta S^{o}_{(n-x)}$ of equation 16 may be determined by subtracting S^{o}_{x} from the ideal entropy of normal hydrogen given in table 4 of RP 1932. The signs of the incremental terms of equations 12, 13, and 14 are such that for para concentrations greater than normal that:

$$C_{P_x} > C_{P_n}$$

$$H_x < H_n$$

$$S_x < S_n$$

DISCUSSION

The accuracy of the PVT data and the derived thermodynamic properties presented in this work can not exceed the accuracy claimed in RP 1932. The interpretations and data reduction of this work may be checked for a few isobars against the tabulated values of properties given in NBS cir. 564. Good agreement has been obtained over the entire range. Energy functions tabulated in this work contain up to six figures; four of these figures may be considered significant while the last two figures are in doubt. The specific volume data contains up to seven figures; five of these figures may be considered significant. The additional figures have been carried in order to obtain internal consistency when the tables are used in the calculation of thermodynamic processes.

The initial tabulation used the calorie unit to permit ready comparison with the results in RP 1932. The tabulation included in this report uses joules as the energy unit because the joule is considered at the present time a more suitable standard. A supplementary edition (6) is available giving the tabulated properties in British units.

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5. R. D. Goodwin, NBS, Boulder, Colorado (private communication).

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TABLE OF SATURATED LIQUID PROPERTIES (British Units)

Tables of Saturated Liquid Properties of Normal Hydrogen

Pressure psia	Temperature ^{o}R	Specific Volume ft^3/lb	Enthalpy Btu/lb	Internal Energy Btu/lb	Entropy Btu/lb-^{o}R
10	34.48	0.2210	112.6	111.7	4.01
14.7	36.70	0.2257	116.9	116.3	4.14
20	38.66	0.2300	122.3	121.4	4.25
30	41.51	0.2372	128.9	127.5	4.43
40	43.74	0.2438	135.2	133.4	4.57
50	45.60	0.2496	141.0	138.8	4.69
60	47.22	0.2556	146.9	144.4	4.79
70	48.66	0.2619	152.5	149.4	4.88
80	49.95	0.2686	158.0	154.3	4.97
90	51.14	0.2750	163.4	159.1	5.06
100	52.23	0.2816	169.2	164.0	5.15
120	54.22	0.2979	179.4	173.1	5.32
140	55.97	0.3194	190.2	182.3	5.49

Tables of Thermodynamic Functions

10.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
34.49	16.9878	305.49	274.04	9.611
36.00	17.8797	309.14	276.10	9.676
38.00	19.0541	314.50	279.28	9.815
40.00	20.2184	320.00	282.62	9.970
42.00	21.3704	325.44	285.91	10.119
44.00	22.5102	330.77	289.12	10.253
46.00	23.6396	336.01	292.26	10.374
48.00	24.7607	341.18	295.35	10.486
50.00	25.8757	346.31	298.43	10.590
52.00	26.9860	351.43	301.49	10.690
54.00	28.0924	356.53	304.54	10.787
56.00	29.1954	361.61	307.58	10.879
58.00	30.2951	366.69	310.62	10.968
60.00	31.3916	371.75	313.66	11.054
62.00	32.4855	376.81	316.69	11.136
64.00	33.5771	381.86	319.73	11.216
66.00	34.6671	386.92	322.76	11.294
68.00	35.7557	391.96	325.79	11.369
70.00	36.8426	396.98	328.80	11.442
72.00	37.9279	401.98	331.80	11.513
74.00	39.0118	406.97	334.77	11.581
76.00	40.0945	411.94	337.75	11.648
78.00	41.1762	416.93	340.73	11.713
80.00	42.2570	421.93	343.73	11.776
82.00	43.3369	426.93	346.73	11.838
84.00	44.4160	431.93	349.73	11.898
86.00	45.4943	436.93	352.73	11.957
88.00	46.5719	441.92	355.73	12.014
90.00	47.6489	446.90	358.72	12.070
92.00	48.7252	451.89	361.72	12.124
94.00	49.8010	456.87	364.71	12.178
96.00	50.8763	461.85	367.70	12.230
98.00	51.9511	466.83	370.69	12.281
100.00	53.0254	471.82	373.69	12.332
102.00	54.0994	476.80	376.69	12.381
104.00	55.1730	481.79	379.69	12.430
106.00	56.2463	486.78	382.69	12.478
108.00	57.3192	491.77	385.70	12.525
110.00	58.3917	496.77	388.71	12.571
112.00	59.4638	501.77	391.72	12.616
114.00	60.5356	506.77	394.74	12.660
116.00	61.6072	511.78	397.77	12.704
118.00	62.6785	516.79	400.80	12.747
120.00	63.7496	521.81	403.84	12.789
122.00	64.8205	526.84	406.89	12.830
124.00	65.8912	531.88	409.94	12.871
126.00	66.9617	536.92	413.00	12.911
128.00	68.0318	541.96	416.05	12.951
130.00	69.1017	547.02	419.14	12.990
132.00	70.1715	552.08	422.22	13.028
134.00	71.2411	557.15	425.31	13.066
136.00	72.3106	562.22	428.41	13.104
138.00	73.3799	567.31	431.51	13.141
140.00	74.4491	572.41	434.63	13.178
142.00	75.5182	577.51	437.76	13.214
144.00	76.5872	582.63	440.90	13.250
146.00	77.6559	587.75	444.04	13.285
148.00	78.7245	592.89	447.20	13.320
150.00	79.7929	598.04	450.37	13.355
152.00	80.8613	603.20	453.56	13.389
154.00	81.9295	608.37	456.75	13.423
156.00	82.9977	613.56	459.96	13.456
158.00	84.0658	618.75	463.18	13.489
160.00	85.1339	623.96	466.42	13.522
162.00	86.2018	629.19	469.66	13.554
164.00	87.2696	634.42	472.92	13.586
166.00	88.3372	639.67	476.20	13.618
168.00	89.4048	644.93	479.48	13.650
170.00	90.4723	650.21	482.79	13.681
172.00	91.5398	655.50	486.10	13.712
174.00	92.6072	660.81	489.43	13.743
176.00	93.6746	666.13	492.78	13.773
178.00	94.7420	671.47	496.14	13.803
180.00	95.8094	676.82	499.52	13.833
182.00	96.8765	682.18	502.91	13.863
184.00	97.9435	687.56	506.31	13.892
186.00	99.0104	692.96	509.73	13.922
188.00	100.0772	698.37	513.17	13.951
190.00	101.1440	703.80	516.62	13.979
192.00	102.2108	709.24	520.09	14.008
194.00	103.2774	714.70	523.57	14.036
196.00	104.3440	720.17	527.07	14.064
198.00	105.4106	725.65	530.58	14.092
200.00	106.4771	731.16	534.11	14.119
202.00	107.5436	736.68	537.66	14.147
204.00	108.6101	742.21	541.22	14.174
206.00	109.6766	747.76	544.80	14.201
208.00	110.7430	753.33	548.39	14.228
210.00	111.8095	758.91	552.00	14.254
212.00	112.8760	764.51	555.62	14.280
214.00	113.9424	770.12	559.26	14.307
216.00	115.0089	775.75	562.92	14.333
218.00	116.0754	781.39	566.59	14.359
220.00	117.1419	787.05	570.27	14.384
222.00	118.2085	792.73	573.97	14.410
224.00	119.2750	798.42	577.69	14.435
226.00	120.3413	804.12	581.42	14.460
228.00	121.4073	809.84	585.17	14.485
230.00	122.4732	815.58	588.93	14.510
232.00	123.5391	821.33	592.71	14.535
234.00	124.6050	827.09	596.50	14.560
236.00	125.6709	832.87	600.31	14.585
238.00	126.7367	838.67	604.13	14.609
240.00	127.8026	844.48	607.97	14.634
242.00	128.8685	850.30	611.82	14.658
244.00	129.9344	856.14	615.68	14.682
246.00	131.0003	861.99	619.56	14.706
248.00	132.0662	867.86	623.46	14.730
250.00	133.1322	873.74	627.37	14.754
252.00	134.1981	879.64	631.29	14.777
254.00	135.2641	885.54	635.22	14.801
256.00	136.3301	891.47	639.17	14.824
258.00	137.3962	897.40	643.14	14.847
260.00	138.4622	903.35	647.11	14.870

10.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	139.5283	909.31	651.10	14.893	402.00	214.1036	1352.33	956.12	16.244
264.00	140.5944	915.29	655.11	14.916	404.00	215.1689	1358.94	960.75	16.261
266.00	141.6605	921.28	659.12	14.939	406.00	216.2343	1365.55	965.39	16.277
268.00	142.7266	927.28	663.15	14.962	408.00	217.2997	1372.17	970.03	16.293
270.00	143.7928	933.29	667.19	14.984	410.00	218.3651	1378.79	974.68	16.309
272.00	144.8584	939.32	671.25	15.007	412.00	219.4305	1385.42	979.34	16.325
274.00	145.9240	945.36	675.31	15.029	414.00	220.4960	1392.05	984.00	16.341
276.00	146.9896	951.41	679.39	15.051	416.00	221.5619	1398.69	988.67	16.357
278.00	148.0552	957.47	683.48	15.073	418.00	222.6279	1405.34	993.34	16.373
280.00	149.1208	963.54	687.59	15.095	420.00	223.6938	1411.99	998.02	16.389
282.00	150.1864	969.63	691.70	15.116	422.00	224.7596	1418.64	1002.70	16.405
284.00	151.2520	975.73	695.83	15.138	424.00	225.8254	1425.30	1007.39	16.421
286.00	152.3176	981.84	699.97	15.159	426.00	226.8910	1431.97	1012.08	16.436
288.00	153.3832	987.96	704.12	15.181	428.00	227.9566	1438.63	1016.78	16.452
290.00	154.4488	994.10	708.28	15.202	430.00	229.0221	1445.31	1021.48	16.467
292.00	155.5144	1000.24	712.45	15.223	432.00	230.0874	1451.98	1026.18	16.483
294.00	156.5800	1006.40	716.63	15.244	434.00	231.1525	1458.66	1030.89	16.498
296.00	157.6456	1012.57	720.83	15.265	436.00	232.2175	1465.34	1035.60	16.514
298.00	158.7112	1018.74	725.04	15.286	438.00	233.2823	1472.03	1040.32	16.529
300.00	159.7769	1024.93	729.25	15.306	440.00	234.3469	1478.72	1045.04	16.544
302.00	160.8425	1031.13	733.48	15.327	442.00	235.4114	1485.41	1049.76	16.559
304.00	161.9081	1037.34	737.72	15.347	444.00	236.4755	1492.11	1054.49	16.575
306.00	162.9738	1043.56	741.97	15.368	446.00	237.5395	1498.81	1059.22	16.590
308.00	164.0392	1049.80	746.23	15.388	448.00	238.6033	1505.51	1063.95	16.605
310.00	165.1046	1056.04	750.50	15.408	450.00	239.6668	1512.21	1068.69	16.619
312.00	166.1700	1062.29	754.78	15.428	452.00	240.7301	1518.92	1073.43	16.634
314.00	167.2354	1068.55	759.07	15.448	454.00	241.7931	1525.63	1078.18	16.649
316.00	168.3008	1074.82	763.37	15.468	456.00	242.8560	1532.35	1082.92	16.664
318.00	169.3662	1081.11	767.68	15.488	458.00	243.9186	1539.06	1087.68	16.679
320.00	170.4315	1087.40	772.00	15.508	460.00	244.9810	1545.78	1092.43	16.693
322.00	171.4969	1093.70	776.33	15.527	462.00	246.0431	1552.50	1097.19	16.708
324.00	172.5622	1100.01	780.67	15.547	464.00	247.1051	1559.23	1101.95	16.722
326.00	173.6276	1106.33	785.02	15.566	466.00	248.1670	1565.96	1106.71	16.737
328.00	174.6929	1112.66	789.38	15.586	468.00	249.2286	1572.69	1111.48	16.751
330.00	175.7582	1119.00	793.74	15.605	470.00	250.2902	1579.42	1116.25	16.766
332.00	176.8236	1125.35	798.12	15.624	472.00	251.3516	1586.16	1121.02	16.780
334.00	177.8889	1131.70	802.50	15.643	474.00	252.4129	1592.90	1125.80	16.794
336.00	178.9542	1138.07	806.90	15.662	476.00	253.4742	1599.64	1130.58	16.809
338.00	180.0196	1144.44	811.30	15.681	478.00	254.5355	1606.39	1135.36	16.823
340.00	181.0849	1150.82	815.71	15.700	480.00	255.5967	1613.13	1140.14	16.837
342.00	182.1502	1157.21	820.13	15.719	482.00	256.6580	1619.89	1144.93	16.851
344.00	183.2155	1163.61	824.56	15.738	484.00	257.7194	1626.64	1149.72	16.865
346.00	184.2809	1170.02	828.99	15.756	486.00	258.7809	1633.40	1154.52	16.879
348.00	185.3462	1176.43	833.44	15.775	488.00	259.8426	1640.17	1159.32	16.893
350.00	186.4115	1182.86	837.89	15.793	490.00	260.9044	1646.93	1164.12	16.907
352.00	187.4768	1189.29	842.35	15.811	492.00	261.9665	1653.71	1168.92	16.920
354.00	188.5421	1195.73	846.81	15.830	494.00	263.0288	1660.48	1173.73	15.934
356.00	189.6074	1202.17	851.29	15.848	496.00	264.0915	1667.26	1178.54	16.948
358.00	190.6727	1208.63	855.77	15.866	498.00	265.1544	1674.04	1183.35	16.962
360.00	191.7380	1215.09	860.26	15.884	500.00	266.2178	1680.83	1188.18	16.975
362.00	192.8030	1221.55	864.76	15.902	502.00	267.2816	1687.62	1193.00	16.989
364.00	193.8679	1228.03	869.26	15.920	504.00	268.3459	1694.42	1197.83	17.002
366.00	194.9328	1234.51	873.77	15.937	506.00	269.4106	1701.22	1202.65	17.016
368.00	195.9977	1241.00	878.29	15.955	508.00	270.4758	1708.02	1207.49	17.029
370.00	197.0626	1247.49	882.82	15.973	510.00	271.5416	1714.83	1212.32	17.042
372.00	198.1275	1254.00	887.35	15.990	512.00	272.6079	1721.65	1217.16	17.056
374.00	199.1924	1260.51	891.89	16.008	514.00	273.6747	1728.47	1222.00	17.069
376.00	200.2573	1267.02	896.43	16.025	516.00	274.7421	1735.29	1226.85	17.082
378.00	201.3222	1273.55	900.99	16.042	518.00	275.8101	1742.11	1231.70	17.095
380.00	202.3872	1280.08	905.55	16.059	520.00	276.8787	1748.94	1236.55	17.109
382.00	203.4522	1286.61	910.11	16.077	522.00	277.9478	1755.78	1241.41	17.122
384.00	204.5172	1293.16	914.68	16.094	524.00	279.0174	1762.62	1246.26	17.135
386.00	205.5822	1299.71	919.26	16.111	526.00	280.0875	1769.46	1251.13	17.148
388.00	206.6472	1306.26	923.85	16.128	528.00	281.1581	1776.30	1255.99	17.161
390.00	207.7123	1312.83	928.44	16.144	530.00	282.2291	1783.15	1260.86	17.174
392.00	208.7775	1319.39	933.04	16.161	532.00	283.3005	1790.00	1265.73	17.186
394.00	209.8426	1325.97	937.64	16.178	534.00	284.3721	1796.86	1270.60	17.199
396.00	210.9078	1332.55	942.25	16.195	536.00	285.4440	1803.71	1275.47	17.212
398.00	211.9730	1339.14	946.87	16.211	538.00	286.5160	1810.57	1280.35	17.225
400.00	213.0383	1345.73	951.49	16.228	540.00	287.5881	1817.43	1285.22	17.237

14.70 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
36.70	12.0319	308.68	275.96	9.353
38.00	12.5865	312.41	278.13	9.428
40.00	13.4141	317.98	281.44	9.568
42.00	14.2208	323.40	284.70	9.711
44.00	15.0156	328.76	287.91	9.846
46.00	15.8031	334.07	291.10	9.969
48.00	16.5851	339.36	294.25	10.083
50.00	17.3619	344.61	297.39	10.190
52.00	18.1337	349.83	300.51	10.292
54.00	18.9008	355.01	303.61	10.390
56.00	19.6638	360.18	306.70	10.484
58.00	20.4237	365.32	309.78	10.574
60.00	21.1811	370.46	312.85	10.661
62.00	21.9363	375.58	315.92	10.745
64.00	22.6889	380.70	318.99	10.825
66.00	23.4391	385.81	322.06	10.904
68.00	24.1868	390.90	325.12	10.980
70.00	24.9330	395.97	328.16	11.054
72.00	25.6781	401.01	331.17	11.125
74.00	26.4222	406.03	334.17	11.194
76.00	27.1653	411.05	337.17	11.261
78.00	27.9071	416.07	340.17	11.327
80.00	28.6477	421.09	343.18	11.390
82.00	29.3874	426.13	346.20	11.453
84.00	30.1262	431.15	349.22	11.513
86.00	30.8644	436.18	352.24	11.572
88.00	31.6018	441.19	355.24	11.629
90.00	32.3387	446.20	358.25	11.685
92.00	33.0749	451.20	361.25	11.740
94.00	33.8106	456.21	364.25	11.794
96.00	34.5457	461.21	367.26	11.846
98.00	35.2803	466.21	370.26	11.898
100.00	36.0145	471.22	373.27	11.949
102.00	36.7482	476.22	376.28	11.998
104.00	37.4816	481.23	379.29	12.047
106.00	38.2146	486.24	382.31	12.095
108.00	38.9472	491.25	385.33	12.142
110.00	39.6794	496.26	388.35	12.188
112.00	40.4113	501.28	391.37	12.233
114.00	41.1429	506.30	394.40	12.278
116.00	41.8743	511.32	397.44	12.322
118.00	42.6054	516.35	400.48	12.364
120.00	43.3363	521.38	403.52	12.407
122.00	44.0669	526.42	406.58	12.448
124.00	44.7974	531.47	409.64	12.489
126.00	45.5277	536.52	412.70	12.529
128.00	46.2576	541.57	415.77	12.569
130.00	46.9873	546.64	418.85	12.608
132.00	47.7169	551.71	421.94	12.647
134.00	48.4462	556.79	425.03	12.685
136.00	49.1755	561.87	428.14	12.723
138.00	49.9045	566.97	431.25	12.760
140.00	50.6335	572.07	434.37	12.797
142.00	51.3623	577.18	437.50	12.833
144.00	52.0911	582.31	440.64	12.869
146.00	52.8195	587.44	443.79	12.904
148.00	53.5479	592.59	446.96	12.939
150.00	54.2761	597.74	450.13	12.974
152.00	55.0043	602.91	453.32	13.008
154.00	55.7323	608.09	456.52	13.042
156.00	56.4603	613.28	459.73	13.075
158.00	57.1882	618.48	462.95	13.109
160.00	57.9160	623.70	466.19	13.141
162.00	58.6438	628.93	469.44	13.174
164.00	59.3713	634.17	472.70	13.206
166.00	60.0988	639.43	475.98	13.238
168.00	60.8261	644.70	479.27	13.269
170.00	61.5534	649.98	482.58	13.301
172.00	62.2806	655.28	485.90	13.332
174.00	63.0078	660.59	489.23	13.362
176.00	63.7349	665.91	492.58	13.393
178.00	64.4620	671.26	495.94	13.423
180.00	65.1890	676.61	499.32	13.453
182.00	65.9158	681.98	502.72	13.483
184.00	66.6426	687.37	506.12	13.512
186.00	67.3692	692.77	509.55	13.541
188.00	68.0959	698.18	512.99	13.570
190.00	68.8224	703.61	516.44	13.599
192.00	69.5489	709.06	519.91	13.627
194.00	70.2753	714.52	523.40	13.656
196.00	71.0018	720.00	526.90	13.684
198.00	71.7281	725.49	530.42	13.712
200.00	72.4544	731.00	533.95	13.739
202.00	73.1808	736.52	537.49	13.767
204.00	73.9071	742.06	541.06	13.794
206.00	74.6333	747.61	544.64	13.821
208.00	75.3596	753.18	548.23	13.847
210.00	76.0859	758.77	551.84	13.874
212.00	76.8122	764.37	555.47	13.900
214.00	77.5385	769.99	559.11	13.927
216.00	78.2648	775.62	562.76	13.953
218.00	78.9911	781.26	566.44	13.979
220.00	79.7175	786.93	570.12	14.004
222.00	80.4438	792.60	573.83	14.030
224.00	81.1702	798.30	577.54	14.055
226.00	81.8963	804.00	581.28	14.080
228.00	82.6221	809.73	585.03	14.106
230.00	83.3480	815.46	588.79	14.131
232.00	84.0737	821.22	592.57	14.155
234.00	84.7995	826.99	596.36	14.180
236.00	85.5253	832.77	600.17	14.205
238.00	86.2510	838.57	603.99	14.229
240.00	86.9767	844.38	607.83	14.254
242.00	87.7024	850.20	611.68	14.278
244.00	88.4281	856.04	615.55	14.302
246.00	89.1538	861.90	619.43	14.326
248.00	89.8794	867.77	623.33	14.350
250.00	90.6051	873.65	627.24	14.374
252.00	91.3308	879.55	631.16	14.397
254.00	92.0565	885.46	635.10	14.421
256.00	92.7822	891.38	639.05	14.444
258.00	93.5079	897.32	643.01	14.467
260.00	94.2336	903.27	646.99	14.491

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	94.9593	909.23	650.98	14.514	402.00	145.7198	1352.35	956.05	15.865
264.00	95.6850	915.21	654.98	14.537	404.00	146.4449	1358.95	960.68	15.881
266.00	96.4107	921.20	659.00	14.559	406.00	147.1700	1365.57	965.32	15.897
268.00	97.1364	927.20	663.03	14.582	408.00	147.8951	1372.18	969.97	15.914
270.00	97.8621	933.22	667.07	14.604	410.00	148.6202	1378.81	974.62	15.930
272.00	98.5876	939.25	671.13	14.627	412.00	149.3453	1385.44	979.27	15.946
274.00	99.3129	945.29	675.20	14.649	414.00	150.0704	1392.07	983.94	15.962
276.00	100.0383	951.34	679.28	14.671	416.00	150.7959	1398.71	988.60	15.978
278.00	100.7637	957.41	683.37	14.693	418.00	151.5214	1405.36	993.28	15.994
280.00	101.4891	963.48	687.47	14.715	420.00	152.2468	1412.01	997.96	16.010
282.00	102.2144	969.57	691.59	14.737	422.00	152.9721	1418.67	1002.64	16.025
284.00	102.9398	975.67	695.72	14.758	424.00	153.6974	1425.33	1007.33	16.041
286.00	103.6652	981.78	699.85	14.780	426.00	154.4227	1431.99	1012.02	16.057
288.00	104.3905	987.91	704.01	14.801	428.00	155.1478	1438.66	1016.72	16.072
290.00	105.1159	994.04	708.17	14.822	430.00	155.8729	1445.33	1021.42	16.088
292.00	105.8413	1000.19	712.34	14.843	432.00	156.5978	1452.01	1026.12	16.103
294.00	106.5667	1006.35	716.53	14.864	434.00	157.3227	1458.69	1030.83	16.119
296.00	107.2920	1012.52	720.72	14.885	436.00	158.0474	1465.38	1035.54	16.134
298.00	108.0174	1018.70	724.93	14.906	438.00	158.7720	1472.06	1040.26	16.150
300.00	108.7428	1024.89	729.15	14.927	440.00	159.4965	1478.75	1044.98	16.165
302.00	109.4682	1031.09	733.38	14.947	442.00	160.2208	1485.45	1049.71	16.180
304.00	110.1936	1037.30	737.62	14.968	444.00	160.9450	1492.14	1054.43	16.195
306.00	110.9190	1043.52	741.87	14.988	446.00	161.6690	1498.84	1059.16	16.210
308.00	111.6442	1049.76	746.13	15.009	448.00	162.3928	1505.55	1063.90	16.225
310.00	112.3694	1056.00	750.40	15.029	450.00	163.1165	1512.25	1068.64	16.240
312.00	113.0946	1062.25	754.68	15.049	452.00	163.8401	1518.96	1073.38	16.255
314.00	113.8198	1068.52	758.97	15.069	454.00	164.5634	1525.67	1078.12	16.270
316.00	114.5449	1074.79	763.27	15.089	456.00	165.2867	1532.39	1082.87	16.285
318.00	115.2701	1081.07	767.58	15.109	458.00	166.0097	1539.10	1087.62	16.299
320.00	115.9952	1087.37	771.91	15.128	460.00	166.7326	1545.82	1092.38	16.314
322.00	116.7204	1093.67	776.24	15.148	462.00	167.4554	1552.55	1097.14	16.329
324.00	117.4455	1099.98	780.58	15.167	464.00	168.1781	1559.27	1101.90	16.343
326.00	118.1706	1106.30	784.92	15.187	466.00	168.9006	1566.00	1106.66	16.358
328.00	118.8957	1112.63	789.28	15.206	468.00	169.6230	1572.73	1111.43	16.372
330.00	119.6208	1118.97	793.65	15.226	470.00	170.3454	1579.46	1116.20	16.386
332.00	120.3459	1125.32	798.03	15.245	472.00	171.0676	1586.20	1120.97	16.401
334.00	121.0710	1131.68	802.41	15.264	474.00	171.7899	1592.94	1125.75	16.415
336.00	121.7961	1138.05	806.81	15.283	476.00	172.5121	1599.69	1130.53	16.429
338.00	122.5212	1144.42	811.21	15.302	478.00	173.2342	1606.43	1135.31	16.443
340.00	123.2463	1150.80	815.62	15.321	480.00	173.9564	1613.18	1140.09	16.457
342.00	123.9713	1157.20	820.04	15.339	482.00	174.6786	1619.93	1144.88	16.472
344.00	124.6964	1163.60	824.47	15.358	484.00	175.4009	1626.69	1149.68	16.486
346.00	125.4215	1170.00	828.91	15.377	486.00	176.1233	1633.45	1154.47	16.500
348.00	126.1466	1176.42	833.35	15.395	488.00	176.8458	1640.22	1159.27	16.513
350.00	126.8716	1182.84	837.80	15.413	490.00	177.5684	1646.98	1164.07	16.527
352.00	127.5967	1189.28	842.26	15.432	492.00	178.2912	1653.76	1168.88	16.541
354.00	128.3218	1195.72	846.73	15.450	494.00	179.0142	1660.53	1173.69	16.555
356.00	129.0468	1202.16	851.21	15.468	496.00	179.7374	1667.31	1178.50	16.569
358.00	129.7719	1208.62	855.69	15.486	498.00	180.4608	1674.09	1183.31	16.582
360.00	130.4969	1215.08	860.18	15.504	500.00	181.1846	1680.88	1188.13	16.596
362.00	131.2218	1221.55	864.68	15.522	502.00	181.9086	1687.67	1192.95	16.609
364.00	131.9466	1228.02	869.18	15.540	504.00	182.6329	1694.47	1197.78	16.623
366.00	132.6714	1234.51	873.69	15.558	506.00	183.3576	1701.27	1202.61	16.636
368.00	133.3962	1241.00	878.21	15.576	508.00	184.0826	1708.08	1207.44	16.650
370.00	134.1210	1247.49	882.74	15.593	510.00	184.8080	1714.89	1212.28	16.663
372.00	134.8459	1254.00	887.27	15.611	512.00	185.5338	1721.70	1217.12	16.676
374.00	135.5707	1260.51	891.81	15.628	514.00	186.2600	1728.52	1221.96	16.690
376.00	136.2955	1267.03	896.36	15.645	516.00	186.9865	1735.34	1226.81	16.703
378.00	137.0204	1273.55	900.91	15.663	518.00	187.7135	1742.17	1231.66	16.716
380.00	137.7452	1280.08	905.47	15.680	520.00	188.4408	1749.00	1236.51	16.729
382.00	138.4701	1286.62	910.04	15.697	522.00	189.1685	1755.83	1241.36	16.742
384.00	139.1950	1293.16	914.61	15.714	524.00	189.8966	1762.67	1246.22	16.755
386.00	139.9199	1299.71	919.19	15.731	526.00	190.6250	1769.52	1251.08	16.768
388.00	140.6448	1306.27	923.78	15.748	528.00	191.3537	1776.36	1255.95	16.781
390.00	141.3697	1312.84	928.37	15.765	530.00	192.0827	1783.21	1260.81	16.794
392.00	142.0947	1319.41	932.97	15.782	532.00	192.8119	1790.06	1265.68	16.807
394.00	142.8197	1325.98	937.57	15.799	534.00	193.5414	1796.92	1270.56	16.820
396.00	143.5447	1332.56	942.18	15.815	536.00	194.2709	1803.77	1275.43	16.833
398.00	144.2697	1339.15	946.80	15.832	538.00	195.0006	1810.63	1280.31	16.845
400.00	144.9947	1345.75	951.42	15.848	540.00	195.7303	1817.49	1285.18	16.858

20.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
38.66	9.0995	311.06	277.37	9.144
40.00	9.5284	314.96	279.70	9.230
42.00	10.1547	320.69	283.11	9.371
44.00	10.7671	326.29	286.44	9.508
46.00	11.3689	331.80	289.72	9.635
48.00	11.9623	337.24	292.97	9.752
50.00	12.5490	342.63	296.18	9.862
52.00	13.1302	347.97	299.37	9.966
54.00	13.7066	353.27	302.54	10.066
56.00	14.2791	358.53	305.69	10.162
58.00	14.8480	363.77	308.82	10.254
60.00	15.4137	368.98	311.93	10.342
62.00	15.9768	374.18	315.05	10.427
64.00	16.5374	379.36	318.16	10.508
66.00	17.0968	384.53	321.26	10.588
68.00	17.6523	389.69	324.35	10.665
70.00	18.2072	394.81	327.42	10.739
72.00	18.7605	399.90	330.46	10.811
74.00	19.3125	404.97	333.49	10.881
76.00	19.8633	410.02	336.50	10.949
78.00	20.4129	415.08	339.53	11.015
80.00	20.9616	420.15	342.57	11.079
82.00	21.5093	425.22	345.61	11.142
84.00	22.0562	430.28	348.64	11.203
86.00	22.6023	435.33	351.67	11.262
88.00	23.1477	440.37	354.70	11.320
90.00	23.6925	445.40	357.71	11.376
92.00	24.2366	450.43	360.73	11.431
94.00	24.7801	455.46	363.75	11.485
96.00	25.3231	460.49	366.76	11.538
98.00	25.8656	465.51	369.78	11.589
100.00	26.4077	470.54	372.80	11.640
102.00	26.9493	475.56	375.82	11.690
104.00	27.4905	480.59	378.84	11.739
106.00	28.0314	485.62	381.87	11.787
108.00	28.5720	490.66	384.91	11.835
110.00	29.1121	495.69	387.94	11.881
112.00	29.6518	500.72	390.98	11.926
114.00	30.1913	505.76	394.02	11.971
116.00	30.7305	510.80	397.06	12.015
118.00	31.2695	515.85	400.11	12.058
120.00	31.8083	520.90	403.17	12.100
122.00	32.3468	525.95	406.23	12.142
124.00	32.8851	531.01	409.30	12.183
126.00	33.4233	536.07	412.37	12.223
128.00	33.9611	541.14	415.45	12.263
130.00	34.4987	546.22	418.53	12.302
132.00	35.0361	551.30	421.63	12.341
134.00	35.5733	556.39	424.72	12.379
136.00	36.1104	561.48	427.83	12.417
138.00	36.6474	566.59	430.95	12.454
140.00	37.1842	571.70	434.07	12.491
142.00	37.7209	576.82	437.21	12.527
144.00	38.2575	581.95	440.35	12.563
146.00	38.7938	587.09	443.51	12.599
148.00	39.3301	592.24	446.68	12.634
150.00	39.8662	597.41	449.85	12.669
152.00	40.4022	602.58	453.05	12.703
154.00	40.9381	607.77	456.25	12.737
156.00	41.4740	612.97	459.46	12.770
158.00	42.0097	618.18	462.69	12.803
160.00	42.5454	623.40	465.94	12.836
162.00	43.0810	628.64	469.19	12.869
164.00	43.6164	633.89	472.46	12.901
166.00	44.1517	639.15	475.74	12.933
168.00	44.6869	644.43	479.04	12.964
170.00	45.2221	649.72	482.34	12.996
172.00	45.7572	655.02	485.67	13.027
174.00	46.2922	660.34	489.01	13.057
176.00	46.8272	665.67	492.36	13.088
178.00	47.3621	671.02	495.72	13.118
180.00	47.8970	676.38	499.11	13.148
182.00	48.4317	681.75	502.50	13.178
184.00	48.9663	687.15	505.91	13.207
186.00	49.5008	692.55	509.34	13.237
188.00	50.0353	697.97	512.78	13.266
190.00	50.5698	703.41	516.24	13.294
192.00	51.1041	708.85	519.71	13.323
194.00	51.6385	714.32	523.20	13.351
196.00	52.1728	719.81	526.70	13.379
198.00	52.7070	725.30	530.22	13.407
200.00	53.2412	730.81	533.76	13.435
202.00	53.7754	736.34	537.31	13.462
204.00	54.3096	741.88	540.87	13.489
206.00	54.8438	747.44	544.45	13.516
208.00	55.3779	753.02	548.05	13.543
210.00	55.9121	758.60	551.66	13.570
212.00	56.4462	764.21	555.29	13.596
214.00	56.9804	769.83	558.93	13.622
216.00	57.5145	775.46	562.59	13.648
218.00	58.0487	781.11	566.26	13.674
220.00	58.5828	786.78	569.95	13.700
222.00	59.1170	792.46	573.66	13.725
224.00	59.6512	798.16	577.38	13.751
226.00	60.1852	803.87	581.11	13.776
228.00	60.7189	809.59	584.86	13.801
230.00	61.2526	815.34	588.63	13.826
232.00	61.7863	821.09	592.41	13.851
234.00	62.3200	826.86	596.21	13.876
236.00	62.8536	832.65	600.02	13.901
238.00	63.3872	838.45	603.84	13.925
240.00	63.9208	844.26	607.68	13.950
242.00	64.4544	850.09	611.53	13.974
244.00	64.9879	855.93	615.40	13.998
246.00	65.5215	861.79	619.28	14.022
248.00	66.0550	867.66	623.18	14.046
250.00	66.5886	873.55	627.09	14.070
252.00	67.1221	879.45	631.02	14.093
254.00	67.6557	885.36	634.95	14.117
256.00	68.1892	891.29	638.91	14.140
258.00	68.7227	897.23	642.87	14.163
260.00	69.2562	903.18	646.85	14.187

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	69.7898	909.15	650.84	14.210	402.00	107.1006	1352.37	955.97	15.561
264.00	70.3233	915.13	654.85	14.232	404.00	107.6335	1358.97	960.61	15.577
266.00	70.8568	921.12	658.87	14.255	406.00	108.1664	1365.59	965.25	15.594
268.00	71.3903	927.12	662.90	14.278	408.00	108.6993	1372.21	969.89	15.610
270.00	71.9238	933.14	666.94	14.300	410.00	109.2322	1378.83	974.55	15.626
272.00	72.4571	939.17	671.00	14.323	412.00	109.7652	1385.46	979.20	15.642
274.00	72.9904	945.21	675.07	14.345	414.00	110.2981	1392.09	983.85	15.658
276.00	73.5236	951.27	679.15	14.367	416.00	110.8312	1398.74	988.53	15.674
278.00	74.0569	957.34	683.24	14.389	418.00	111.3644	1405.39	993.21	15.690
280.00	74.5901	963.41	687.34	14.411	420.00	111.8975	1412.04	997.89	15.706
282.00	75.1233	969.51	691.46	14.433	422.00	112.4306	1418.70	1002.57	15.722
284.00	75.6566	975.61	695.59	14.454	424.00	112.9637	1425.36	1007.26	15.737
286.00	76.1898	981.72	699.73	14.476	426.00	113.4967	1432.02	1011.95	15.753
288.00	76.7230	987.85	703.88	14.497	428.00	114.0296	1438.69	1016.65	15.769
290.00	77.2563	993.99	708.05	14.518	430.00	114.5625	1445.37	1021.35	15.784
292.00	77.7895	1000.13	712.22	14.539	432.00	115.0953	1452.04	1026.05	15.800
294.00	78.3227	1006.29	716.41	14.560	434.00	115.6281	1458.73	1030.76	15.815
296.00	78.8560	1012.46	720.60	14.581	436.00	116.1607	1465.41	1035.48	15.831
298.00	79.3892	1018.65	724.81	14.602	438.00	116.6933	1472.10	1040.19	15.846
300.00	79.9224	1024.84	729.03	14.623	440.00	117.2257	1478.79	1044.92	15.861
302.00	80.4557	1031.04	733.26	14.643	442.00	117.7581	1485.48	1049.64	15.876
304.00	80.9889	1037.26	737.50	14.664	444.00	118.2903	1492.18	1054.37	15.891
306.00	81.5222	1043.48	741.75	14.684	446.00	118.8224	1498.88	1059.10	15.906
308.00	82.0552	1049.71	746.02	14.705	448.00	119.3544	1505.59	1063.84	15.921
310.00	82.5883	1055.96	750.29	14.725	450.00	119.8863	1512.29	1068.57	15.936
312.00	83.1214	1062.21	754.57	14.745	452.00	120.4181	1519.00	1073.32	15.951
314.00	83.6544	1068.48	758.86	14.765	454.00	120.9497	1525.71	1078.06	15.966
316.00	84.1875	1074.76	763.16	14.785	456.00	121.4813	1532.43	1082.81	15.981
318.00	84.7205	1081.04	767.48	14.805	458.00	122.0127	1539.15	1087.56	15.996
320.00	85.2535	1087.34	771.80	14.824	460.00	122.5440	1545.87	1092.32	16.010
322.00	85.7865	1093.64	776.13	14.844	462.00	123.0752	1552.59	1097.08	16.025
324.00	86.3195	1099.95	780.47	14.864	464.00	123.6064	1559.32	1101.84	16.039
326.00	86.8525	1106.28	784.82	14.883	466.00	124.1374	1566.05	1106.60	16.054
328.00	87.3855	1112.61	789.18	14.902	468.00	124.6683	1572.78	1111.37	16.068
330.00	87.9185	1118.95	793.55	14.922	470.00	125.1992	1579.51	1116.14	16.083
332.00	88.4515	1125.30	797.93	14.941	472.00	125.7301	1586.25	1120.91	16.097
334.00	88.9845	1131.66	802.31	14.960	474.00	126.2609	1592.99	1125.69	16.111
336.00	89.5174	1138.03	806.71	14.979	476.00	126.7916	1599.73	1130.47	16.125
338.00	90.0504	1144.40	811.11	14.998	478.00	127.3224	1606.48	1135.25	16.140
340.00	90.5833	1150.79	815.52	15.017	480.00	127.8531	1613.23	1140.04	16.154
342.00	91.1163	1157.18	819.94	15.035	482.00	128.3839	1619.99	1144.83	16.168
344.00	91.6492	1163.58	824.37	15.054	484.00	128.9147	1626.74	1149.62	16.182
346.00	92.1822	1169.99	828.81	15.073	486.00	129.4456	1633.51	1154.42	16.196
348.00	92.7151	1176.41	833.26	15.091	488.00	129.9765	1640.27	1159.22	16.210
350.00	93.2481	1182.83	837.71	15.110	490.00	130.5076	1647.04	1164.02	16.224
352.00	93.7810	1189.27	842.17	15.128	492.00	131.0387	1653.81	1168.82	16.237
354.00	94.3139	1195.71	846.64	15.146	494.00	131.5700	1660.59	1173.63	16.251
356.00	94.8468	1202.16	851.12	15.164	496.00	132.1015	1667.37	1178.44	16.265
358.00	95.3797	1208.61	855.60	15.182	498.00	132.6331	1674.15	1183.26	16.278
360.00	95.9126	1215.08	860.09	15.200	500.00	133.1649	1680.94	1188.08	16.292
362.00	96.4454	1221.55	864.59	15.218	502.00	133.6969	1687.73	1192.90	16.306
364.00	96.9781	1228.02	869.09	15.236	504.00	134.2291	1694.53	1197.73	16.319
366.00	97.5108	1234.51	873.61	15.254	506.00	134.7616	1701.33	1202.56	16.333
368.00	98.0435	1241.00	878.13	15.272	508.00	135.2944	1708.14	1207.39	16.346
370.00	98.5762	1247.49	882.65	15.289	510.00	135.8274	1714.95	1212.23	16.359
372.00	99.1090	1254.00	887.19	15.307	512.00	136.3606	1721.76	1217.07	16.373
374.00	99.6417	1260.51	891.73	15.324	514.00	136.8942	1728.58	1221.91	16.386
376.00	100.1744	1267.03	896.27	15.342	516.00	137.4280	1735.40	1226.75	16.399
378.00	100.7071	1273.56	900.83	15.359	518.00	137.9621	1742.23	1231.61	16.412
380.00	101.2398	1280.09	905.39	15.376	520.00	138.4965	1749.06	1236.46	16.426
382.00	101.7726	1286.63	909.96	15.393	522.00	139.0312	1755.90	1241.31	16.439
384.00	102.3053	1293.17	914.53	15.410	524.00	139.5661	1762.74	1246.17	16.452
386.00	102.8381	1299.73	919.11	15.427	526.00	140.1012	1769.58	1251.03	16.465
388.00	103.3708	1306.28	923.70	15.444	528.00	140.6366	1776.43	1255.90	16.478
390.00	103.9036	1312.85	928.29	15.461	530.00	141.1722	1783.27	1260.77	16.491
392.00	104.4364	1319.42	932.89	15.478	532.00	141.7080	1790.13	1265.64	16.503
394.00	104.9692	1326.00	937.49	15.495	534.00	142.2439	1796.98	1270.51	16.516
396.00	105.5021	1332.58	942.10	15.511	536.00	142.7800	1803.84	1275.38	16.529
398.00	106.0349	1339.17	946.72	15.528	538.00	143.3160	1810.70	1280.26	16.542
400.00	106.5678	1345.77	951.34	15.544	540.00	143.8522	1817.56	1285.14	16.554

30.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
41.51	6.2642	313.67	278.88	8.862
42.00	6.3761	315.20	279.80	8.896
44.00	6.8222	321.30	283.43	9.038
46.00	7.2558	327.24	286.96	9.172
48.00	7.6788	333.04	290.41	9.297
50.00	8.0931	338.73	293.80	9.413
52.00	8.5006	344.33	297.14	9.522
54.00	8.9025	349.86	300.44	9.626
56.00	9.2998	355.33	303.70	9.726
58.00	9.6931	360.76	306.94	9.821
60.00	10.0830	366.14	310.16	9.912
62.00	10.4697	371.48	313.36	9.999
64.00	10.8539	376.81	316.55	10.083
66.00	11.2357	382.10	319.73	10.165
68.00	11.6155	387.37	322.88	10.244
70.00	11.9935	392.59	326.01	10.320
72.00	12.3699	397.78	329.10	10.393
74.00	12.7448	402.93	332.18	10.464
76.00	13.1184	408.07	335.24	10.533
78.00	13.4909	413.21	338.31	10.600
80.00	13.8624	418.34	341.38	10.665
82.00	14.2329	423.48	344.46	10.728
84.00	14.6026	428.61	347.54	10.790
86.00	14.9714	433.72	350.60	10.850
88.00	15.3395	438.82	353.66	10.908
90.00	15.7069	443.91	356.71	10.965
92.00	16.0736	448.99	359.76	11.021
94.00	16.4398	454.07	362.80	11.075
96.00	16.8054	459.15	365.85	11.129
98.00	17.1705	464.21	368.89	11.181
100.00	17.5351	469.28	371.93	11.232
102.00	17.8993	474.34	374.97	11.282
104.00	18.2632	479.41	378.02	11.332
106.00	18.6267	484.47	381.06	11.380
108.00	18.9898	489.54	384.11	11.428
110.00	19.3525	494.60	387.16	11.474
112.00	19.7148	499.67	390.22	11.520
114.00	20.0769	504.74	393.27	11.565
116.00	20.4387	509.81	396.33	11.609
118.00	20.8002	514.88	399.40	11.652
120.00	21.1615	519.96	402.47	11.695
122.00	21.5225	525.04	405.55	11.737
124.00	21.8834	530.12	408.63	11.778
126.00	22.2441	535.21	411.72	11.818
128.00	22.6044	540.30	414.81	11.858
130.00	22.9645	545.40	417.91	11.898
132.00	23.3245	550.50	421.01	11.937
134.00	23.6843	555.61	424.13	11.975
136.00	24.0440	560.73	427.24	12.013
138.00	24.4035	565.85	430.37	12.051
140.00	24.7629	570.98	433.51	12.088
142.00	25.1221	576.12	436.65	12.124
144.00	25.4813	581.27	439.81	12.160
146.00	25.8402	586.43	442.97	12.196
148.00	26.1990	591.60	446.15	12.231
150.00	26.5576	596.78	449.34	12.266
152.00	26.9162	601.97	452.54	12.300
154.00	27.2746	607.17	455.75	12.334
156.00	27.6330	612.38	458.97	12.368
158.00	27.9913	617.61	462.21	12.401
160.00	28.3495	622.85	465.46	12.434
162.00	28.7076	628.10	468.72	12.466
164.00	29.0655	633.36	472.00	12.499
166.00	29.4234	638.64	475.29	12.531
168.00	29.7812	643.93	478.59	12.562
170.00	30.1389	649.23	481.91	12.594
172.00	30.4965	654.54	485.24	12.625
174.00	30.8541	659.87	488.58	12.656
176.00	31.2116	665.22	491.94	12.686
178.00	31.5690	670.57	495.31	12.716
180.00	31.9265	675.95	498.70	12.746
182.00	32.2837	681.33	502.10	12.776
184.00	32.6409	686.73	505.52	12.806
186.00	32.9981	692.15	508.95	12.835
188.00	33.3551	697.58	512.40	12.864
190.00	33.7122	703.02	515.85	12.893
192.00	34.0691	708.48	519.34	12.921
194.00	34.4260	713.96	522.83	12.950
196.00	34.7829	719.45	526.34	12.978
198.00	35.1397	724.95	529.86	13.006
200.00	35.4965	730.47	533.40	13.033
202.00	35.8533	736.01	536.95	13.061
204.00	36.2100	741.56	540.53	13.088
206.00	36.5667	747.12	544.11	13.115
208.00	36.9234	752.71	547.71	13.142
210.00	37.2801	758.30	551.33	13.169
212.00	37.6367	763.91	554.96	13.195
214.00	37.9934	769.54	558.60	13.221
216.00	38.3500	775.18	562.27	13.247
218.00	38.7067	780.84	565.94	13.273
220.00	39.0633	786.51	569.64	13.299
222.00	39.4199	792.19	573.34	13.325
224.00	39.7765	797.90	577.07	13.350
226.00	40.1330	803.61	580.80	13.375
228.00	40.4893	809.34	584.56	13.400
230.00	40.8456	815.09	588.33	13.426
232.00	41.2018	820.85	592.11	13.450
234.00	41.5580	826.63	595.91	13.475
236.00	41.9142	832.42	599.72	13.500
238.00	42.2704	838.22	603.55	13.524
240.00	42.6266	844.04	607.39	13.549
242.00	42.9827	849.88	611.25	13.573
244.00	43.3388	855.72	615.12	13.597
246.00	43.6949	861.59	619.00	13.621
248.00	44.0510	867.46	622.90	13.645
250.00	44.4071	873.35	626.81	13.669
252.00	44.7632	879.26	630.74	13.693
254.00	45.1193	885.17	634.68	13.716
256.00	45.4754	891.10	638.64	13.740
258.00	45.8314	897.05	642.60	13.763
260.00	46.1875	903.01	646.58	13.786

30.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	46.5435	908.98	650.58	13.809	402.00	71.4328	1352.40	955.83	15.161
264.00	46.8996	914.96	654.59	13.832	404.00	71.7882	1359.01	960.46	15.177
266.00	47.2556	920.96	658.61	13.855	406.00	72.1436	1365.63	965.11	15.194
268.00	47.6116	926.97	662.64	13.877	408.00	72.4990	1372.25	969.75	15.210
270.00	47.9677	932.99	666.69	13.900	410.00	72.8543	1378.87	974.40	15.226
272.00	48.3235	939.02	670.75	13.922	412.00	73.2097	1385.50	979.06	15.242
274.00	48.6793	945.07	674.82	13.945	414.00	73.5651	1392.14	983.73	15.258
276.00	49.0352	951.13	678.90	13.967	416.00	73.9207	1398.78	988.40	15.274
278.00	49.3910	957.20	682.99	13.989	418.00	74.2763	1405.43	993.07	15.290
280.00	49.7468	963.28	687.10	14.011	420.00	74.6318	1412.09	997.75	15.306
282.00	50.1025	969.38	691.22	14.032	422.00	74.9873	1418.75	1002.44	15.322
284.00	50.4583	975.49	695.35	14.054	424.00	75.3428	1425.41	1007.13	15.338
286.00	50.8141	981.60	699.50	14.075	426.00	75.6982	1432.08	1011.82	15.353
288.00	51.1699	987.73	703.65	14.097	428.00	76.0536	1438.75	1016.52	15.369
290.00	51.5256	993.88	707.82	14.118	430.00	76.4090	1445.43	1021.22	15.385
292.00	51.8814	1000.03	711.99	14.139	432.00	76.7643	1452.10	1025.93	15.400
294.00	52.2371	1006.19	716.18	14.160	434.00	77.1195	1458.79	1030.64	15.415
296.00	52.5929	1012.37	720.38	14.181	436.00	77.4747	1465.47	1035.35	15.431
298.00	52.9486	1018.55	724.59	14.202	438.00	77.8298	1472.16	1040.07	15.446
300.00	53.3044	1024.75	728.82	14.223	440.00	78.1849	1478.86	1044.79	15.461
302.00	53.6601	1030.95	733.05	14.243	442.00	78.5399	1485.55	1049.52	15.476
304.00	54.0159	1037.17	737.29	14.264	444.00	78.8948	1492.25	1054.25	15.492
306.00	54.3716	1043.40	741.54	14.284	446.00	79.2497	1498.95	1058.98	15.507
308.00	54.7273	1049.64	745.81	14.304	448.00	79.6044	1505.66	1063.72	15.522
310.00	55.0829	1055.89	750.08	14.325	450.00	79.9591	1512.37	1068.46	15.537
312.00	55.4385	1062.15	754.37	14.345	452.00	80.3137	1519.08	1073.20	15.552
314.00	55.7941	1068.41	758.66	14.365	454.00	80.6683	1525.79	1077.95	15.566
316.00	56.1497	1074.69	762.96	14.385	456.00	81.0227	1532.51	1082.69	15.581
318.00	56.5052	1080.98	767.28	14.405	458.00	81.3771	1539.23	1087.45	15.596
320.00	56.8608	1087.28	771.60	14.424	460.00	81.7314	1545.95	1092.20	15.610
322.00	57.2164	1093.59	775.93	14.444	462.00	82.0856	1552.68	1096.96	15.625
324.00	57.5719	1099.90	780.28	14.463	464.00	82.4398	1559.40	1101.72	15.640
326.00	57.9275	1106.23	784.63	14.483	466.00	82.7939	1566.13	1106.49	15.654
328.00	58.2830	1112.56	788.99	14.502	468.00	83.1480	1572.87	1111.26	15.669
330.00	58.6385	1118.91	793.36	14.522	470.00	83.5020	1579.60	1116.03	15.683
332.00	58.9941	1125.26	797.74	14.541	472.00	83.8560	1586.34	1120.80	15.697
334.00	59.3496	1131.62	802.13	14.560	474.00	84.2100	1593.09	1125.58	15.712
336.00	59.7051	1137.99	806.52	14.579	476.00	84.5639	1599.83	1130.36	15.726
338.00	60.0606	1144.37	810.93	14.598	478.00	84.9178	1606.58	1135.15	15.740
340.00	60.4161	1150.76	815.34	14.617	480.00	85.2718	1613.33	1139.93	15.754
342.00	60.7716	1157.15	819.76	14.635	482.00	85.6257	1620.09	1144.72	15.768
344.00	61.1271	1163.56	824.19	14.654	484.00	85.9797	1626.85	1149.52	15.782
346.00	61.4826	1169.97	828.63	14.673	486.00	86.3337	1633.61	1154.31	15.796
348.00	61.8381	1176.39	833.08	14.691	488.00	86.6877	1640.37	1159.11	15.810
350.00	62.1936	1182.82	837.53	14.710	490.00	87.0419	1647.14	1163.92	15.824
352.00	62.5490	1189.25	842.00	14.728	492.00	87.3961	1653.92	1168.72	15.838
354.00	62.9045	1195.70	846.47	14.746	494.00	87.7504	1660.70	1173.53	15.851
356.00	63.2600	1202.15	850.94	14.764	496.00	88.1048	1667.48	1178.34	15.865
358.00	63.6154	1208.61	855.43	14.783	498.00	88.4593	1674.26	1183.16	15.879
360.00	63.9709	1215.07	859.92	14.801	500.00	88.8139	1681.05	1187.98	15.892
362.00	64.3262	1221.54	864.42	14.818	502.00	89.1687	1687.85	1192.80	15.906
364.00	64.6815	1228.02	868.93	14.836	504.00	89.5236	1694.64	1197.63	15.920
366.00	65.0368	1234.51	873.44	14.854	506.00	89.8787	1701.45	1202.46	15.933
368.00	65.3922	1241.00	877.96	14.872	508.00	90.2339	1708.25	1207.29	15.946
370.00	65.7475	1247.50	882.49	14.889	510.00	90.5894	1715.06	1212.13	15.960
372.00	66.1028	1254.01	887.02	14.907	512.00	90.9450	1721.88	1216.97	15.973
374.00	66.4581	1260.52	891.57	14.924	514.00	91.3007	1728.70	1221.8[illegible]	15.986
376.00	66.8134	1267.04	896.11	14.942	516.00	91.6567	1735.52	1226.66	16.000
378.00	67.1687	1273.57	900.67	14.959	518.00	92.0129	1742.35	1231.51	16.013
380.00	67.5240	1280.10	905.23	14.976	520.00	92.3692	1749.18	1236.37	16.026
382.00	67.8793	1286.64	909.80	14.993	522.00	92.7257	1756.02	1241.22	16.039
384.00	68.2346	1293.19	914.37	15.011	524.00	93.0824	1762.86	1246.08	16.052
386.00	68.5900	1299.75	918.95	15.028	526.00	93.4392	1769.70	1250.94	16.065
388.00	68.9453	1306.31	923.54	15.045	528.00	93.7962	1776.55	1255.81	16.078
390.00	69.3006	1312.87	928.14	15.061	530.00	94.1533	1783.40	1260.68	16.091
392.00	69.6560	1319.45	932.74	15.078	532.00	94.5106	1790.25	1265.55	16.104
394.00	70.0113	1326.02	937.34	15.095	534.00	94.8679	1797.11	1270.42	16.117
396.00	70.3667	1332.61	941.96	15.112	536.00	95.2253	1803.96	1275.29	16.129
398.00	70.7220	1339.20	946.57	15.128	538.00	95.5828	1810.82	1280.17	16.142
400.00	71.0774	1345.80	951.20	15.145	540.00	95.9402	1817.68	1285.05	16.155

40.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
					122.00	16.1107	524.11	404.85	11.448
					124.00	16.3828	529.22	407.95	11.489
					126.00	16.6547	534.33	411.05	11.530
					128.00	16.9263	539.45	414.15	11.570
					130.00	17.1977	544.57	417.27	11.610
					132.00	17.4690	549.70	420.38	11.649
					134.00	17.7400	554.83	423.51	11.687
					136.00	18.0110	559.97	426.65	11.725
					138.00	18.2817	565.11	429.79	11.763
					140.00	18.5524	570.27	432.94	11.800
					142.00	18.8229	575.43	436.10	11.837
					144.00	19.0933	580.60	439.26	11.873
					146.00	19.3635	585.77	442.44	11.909
					148.00	19.6336	590.96	445.63	11.944
					150.00	19.9035	596.16	448.83	11.979
					152.00	20.1733	601.36	452.04	12.013
					154.00	20.4430	606.58	455.26	12.047
					156.00	20.7127	611.81	458.49	12.081
					158.00	20.9822	617.05	461.73	12.114
					160.00	21.2517	622.30	464.99	12.147
					162.00	21.5210	627.56	468.25	12.180
					164.00	21.7903	632.83	471.54	12.212
					166.00	22.0594	638.12	474.83	12.244
					168.00	22.3284	643.42	478.14	12.276
					170.00	22.5974	648.74	481.46	12.308
					172.00	22.8663	654.06	484.80	12.339
					174.00	23.1352	659.40	488.15	12.370
					176.00	23.4039	664.76	491.52	12.400
					178.00	23.6727	670.13	494.90	12.431
					180.00	23.9414	675.51	498.29	12.461
43.74	4.7743	314.90	279.54	8.654	182.00	24.2099	680.91	501.70	12.491
44.00	4.8215	315.75	280.05	8.673	184.00	24.4784	686.32	505.13	12.520
46.00	5.1777	322.22	283.90	8.818	186.00	24.7468	691.75	508.56	12.550
48.00	5.5212	328.51	287.64	8.952	188.00	25.0151	697.19	512.02	12.579
50.00	5.8534	334.58	291.25	9.075	190.00	25.2834	702.64	515.49	12.607
52.00	6.1765	340.49	294.77	9.191	192.00	25.5517	708.11	518.97	12.636
54.00	6.4929	346.29	298.22	9.300	194.00	25.8199	713.60	522.47	12.664
56.00	6.8041	352.00	301.63	9.404	196.00	26.0880	719.09	525.98	12.693
58.00	7.1109	357.63	304.99	9.503	198.00	26.3561	724.61	529.51	12.721
60.00	7.4137	363.20	308.32	9.597	200.00	26.6242	730.14	533.06	12.748
62.00	7.7130	368.72	311.62	9.687	202.00	26.8922	735.68	536.61	12.776
64.00	8.0094	374.19	314.90	9.774	204.00	27.1602	741.24	540.19	12.803
66.00	8.3034	379.62	318.15	9.857	206.00	27.4282	746.81	543.78	12.830
68.00	8.5953	385.00	321.38	9.938	208.00	27.6962	752.40	547.38	12.857
70.00	8.8851	390.34	324.56	10.015	210.00	27.9641	758.00	551.00	12.884
72.00	9.1732	395.62	327.72	10.090	212.00	28.2321	763.62	554.63	12.910
74.00	9.4599	400.87	330.84	10.162	214.00	28.5000	769.25	558.28	12.936
76.00	9.7452	406.09	333.95	10.232	216.00	28.7679	774.90	561.95	12.962
78.00	10.0292	411.31	337.07	10.300	218.00	29.0358	780.56	565.63	12.988
80.00	10.3123	416.52	340.18	10.366	220.00	29.3037	786.24	569.32	13.014
82.00	10.5943	421.73	343.30	10.431	222.00	29.5715	791.93	573.03	13.040
84.00	10.8754	426.92	346.42	10.493	224.00	29.8394	797.63	576.75	13.065
86.00	11.1557	432.10	349.52	10.554	226.00	30.1071	803.36	580.49	13.090
88.00	11.4352	437.26	352.61	10.613	228.00	30.3747	809.09	584.25	13.116
90.00	11.7140	442.40	355.69	10.671	230.00	30.6423	814.85	588.02	13.141
92.00	11.9920	447.54	358.77	10.727	232.00	30.9098	820.61	591.81	13.166
94.00	12.2695	452.67	361.85	10.782	234.00	31.1773	826.39	595.61	13.191
96.00	12.5464	457.79	364.92	10.835	236.00	31.4448	832.19	599.42	13.215
98.00	12.8228	462.91	367.99	10.888	238.00	31.7122	838.00	603.25	13.240
100.00	13.0987	468.02	371.05	10.940	240.00	31.9796	843.82	607.10	13.264
102.00	13.3743	473.12	374.12	10.990	242.00	32.2471	849.66	610.96	13.289
104.00	13.6495	478.22	377.18	11.040	244.00	32.5145	855.52	614.83	13.313
106.00	13.9243	483.32	380.25	11.089	246.00	32.7818	861.38	618.72	13.337
108.00	14.1989	488.42	383.32	11.137	248.00	33.0492	867.26	622.62	13.361
110.00	14.4729	493.51	386.38	11.184	250.00	33.3166	873.16	626.54	13.384
112.00	14.7466	498.61	389.45	11.230	252.00	33.5839	879.07	630.47	13.408
114.00	15.0199	503.70	392.52	11.275	254.00	33.8512	884.99	634.41	13.432
116.00	15.2930	508.80	395.60	11.319	256.00	34.1186	890.93	638.37	13.455
118.00	15.5658	513.90	398.68	11.363	258.00	34.3859	896.88	642.34	13.478
120.00	15.8383	519.00	401.76	11.406	260.00	34.6532	902.84	646.32	13.502

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	34.9205	908.81	650.32	13.525	402.00	53.5988	1352.44	955.69	14.877
264.00	35.1878	914.80	654.33	13.548	404.00	53.8654	1359.05	960.32	14.894
266.00	35.4551	920.80	658.35	13.570	406.00	54.1321	1365.67	964.97	14.910
268.00	35.7224	926.82	662.39	13.593	408.00	54.3987	1372.29	969.61	14.926
270.00	35.9896	932.84	666.44	13.616	410.00	54.6653	1378.92	974.27	14.942
272.00	36.2567	938.88	670.50	13.638	412.00	54.9320	1385.55	978.93	14.959
274.00	36.5239	944.93	674.57	13.660	414.00	55.1986	1392.19	983.59	14.975
276.00	36.7910	951.00	678.66	13.682	416.00	55.4654	1398.83	988.26	14.991
278.00	37.0580	957.07	682.76	13.704	418.00	55.7322	1405.48	992.94	15.007
280.00	37.3251	963.16	686.87	13.726	420.00	55.9989	1412.14	997.62	15.022
282.00	37.5922	969.26	690.99	13.748	422.00	56.2656	1418.80	1002.30	15.038
284.00	37.8593	975.37	695.12	13.770	424.00	56.5323	1425.46	1006.99	15.054
286.00	38.1263	981.49	699.27	13.791	426.00	56.7990	1432.13	1011.69	15.070
288.00	38.3934	987.62	703.42	13.813	428.00	57.0656	1438.81	1016.39	15.085
290.00	38.6604	993.77	707.59	13.834	430.00	57.3322	1445.48	1021.09	15.101
292.00	38.9274	999.92	711.77	13.855	432.00	57.5988	1452.16	1025.80	15.116
294.00	39.1945	1006.09	715.96	13.876	434.00	57.8653	1458.85	1030.51	15.132
296.00	39.4615	1012.27	720.16	13.897	436.00	58.1318	1465.54	1035.22	15.147
298.00	39.7285	1018.46	724.37	13.918	438.00	58.3982	1472.23	1039.94	15.162
300.00	39.9955	1024.66	728.60	13.939	440.00	58.6646	1478.92	1044.66	15.178
302.00	40.2626	1030.87	732.83	13.959	442.00	58.9309	1485.62	1049.39	15.193
304.00	40.5296	1037.09	737.07	13.980	444.00	59.1972	1492.32	1054.12	15.208
306.00	40.7966	1043.32	741.33	14.000	446.00	59.4634	1499.02	1058.85	15.223
308.00	41.0635	1049.56	745.59	14.020	448.00	59.7296	1505.73	1063.59	15.238
310.00	41.3304	1055.81	749.87	14.041	450.00	59.9957	1512.44	1068.33	15.253
312.00	41.5973	1062.07	754.16	14.061	452.00	60.2617	1519.15	1073.08	15.268
314.00	41.8642	1068.34	758.45	14.081	454.00	60.5277	1525.87	1077.82	15.283
316.00	42.1310	1074.63	762.76	14.101	456.00	60.7936	1532.59	1082.57	15.297
318.00	42.3979	1080.92	767.07	14.120	458.00	61.0595	1539.31	1087.33	15.312
320.00	42.6647	1087.22	771.40	14.140	460.00	61.3253	1546.03	1092.08	15.327
322.00	42.9316	1093.53	775.73	14.160	462.00	61.5911	1552.76	1096.84	15.341
324.00	43.1984	1099.85	780.08	14.179	464.00	61.8568	1559.49	1101.61	15.356
326.00	43.4652	1106.18	784.43	14.199	466.00	62.1225	1566.22	1106.37	15.371
328.00	43.7320	1112.51	788.79	14.218	468.00	62.3881	1572.95	1111.14	15.385
330.00	43.9988	1118.86	793.17	14.238	470.00	62.6537	1579.69	1115.91	15.399
332.00	44.2656	1125.22	797.55	14.257	472.00	62.9193	1586.43	1120.69	15.414
334.00	44.5324	1131.58	801.94	14.276	474.00	63.1849	1593.18	1125.47	15.428
336.00	44.7992	1137.95	806.33	14.295	476.00	63.4504	1599.92	1130.25	15.442
338.00	45.0659	1144.34	810.74	14.314	478.00	63.7159	1606.67	1135.04	15.456
340.00	45.3327	1150.73	815.16	14.333	480.00	63.9814	1613.43	1139.82	15.470
342.00	45.5995	1157.12	819.58	14.351	482.00	64.2470	1620.18	1144.61	15.485
344.00	45.8662	1163.53	824.01	14.370	484.00	64.5125	1626.95	1149.41	15.499
346.00	46.1329	1169.94	828.45	14.389	486.00	64.7781	1633.71	1154.21	15.513
348.00	46.3997	1176.37	832.90	14.407	488.00	65.0437	1640.48	1159.01	15.526
350.00	46.6664	1182.80	837.36	14.426	490.00	65.3094	1647.25	1163.81	15.540
352.00	46.9331	1189.24	841.82	14.444	492.00	65.5751	1654.02	1168.62	15.554
354.00	47.1999	1195.68	846.29	14.462	494.00	65.8409	1660.80	1173.43	15.568
356.00	47.4666	1202.13	850.77	14.481	496.00	66.1068	1667.59	1178.24	15.582
358.00	47.7333	1208.60	855.26	14.499	498.00	66.3727	1674.37	1183.06	15.595
360.00	48.0000	1215.06	859.75	14.517	500.00	66.6388	1681.16	1187.88	15.609
362.00	48.2666	1221.54	864.25	14.535	502.00	66.9049	1687.96	1192.71	15.622
364.00	48.5332	1228.02	868.76	14.552	504.00	67.1711	1694.76	1197.53	15.636
366.00	48.7998	1234.51	873.27	14.570	506.00	67.4375	1701.56	1202.37	15.649
368.00	49.0664	1241.00	877.80	14.588	508.00	67.7040	1708.37	1207.20	15.663
370.00	49.3330	1247.50	882.33	14.606	510.00	67.9706	1715.18	1212.04	15.676
372.00	49.5996	1254.01	886.86	14.623	512.00	68.2373	1722.00	1216.88	15.689
374.00	49.8662	1260.53	891.41	14.641	514.00	68.5042	1728.82	1221.72	15.703
376.00	50.1328	1267.05	895.95	14.658	516.00	68.7712	1735.64	1226.57	15.716
378.00	50.3994	1273.58	900.51	14.675	518.00	69.0383	1742.47	1231.42	15.729
380.00	50.6660	1280.12	905.07	14.692	520.00	69.3056	1749.30	1236.27	15.742
382.00	50.9326	1286.66	909.64	14.710	522.00	69.5730	1756.14	1241.13	15.755
384.00	51.1992	1293.21	914.22	14.727	524.00	69.8405	1762.98	1245.99	15.768
386.00	51.4658	1299.77	918.80	14.744	526.00	70.1082	1769.82	1250.85	15.781
388.00	51.7324	1306.33	923.39	14.761	528.00	70.3759	1776.67	1255.72	15.794
390.00	51.9990	1312.90	927.99	14.778	530.00	70.6438	1783.52	1260.59	15.807
392.00	52.2656	1319.47	932.59	14.794	532.00	70.9117	1790.37	1265.46	15.820
394.00	52.5322	1326.05	937.20	14.811	534.00	71.1797	1797.23	1270.33	15.833
396.00	52.7989	1332.64	941.81	14.828	536.00	71.4478	1804.09	1275.21	15.846
398.00	53.0655	1339.24	946.43	14.844	538.00	71.7158	1810.95	1280.08	15.859
400.00	53.3321	1345.83	951.05	14.861	540.00	71.9839	1817.81	1284.95	15.871

50.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
45.60	3.8462	315.28	279.67	8.485
46.00	3.9081	316.71	280.54	8.517
48.00	4.2100	323.61	284.64	8.664
50.00	4.4967	330.10	288.49	8.796
52.00	4.7723	336.38	292.22	8.919
54.00	5.0399	342.51	295.87	9.035
56.00	5.3011	348.50	299.45	9.144
58.00	5.5571	354.38	302.96	9.247
60.00	5.8086	360.16	306.42	9.344
62.00	6.0563	365.86	309.82	9.437
64.00	6.3006	371.49	313.19	9.526
66.00	6.5422	377.06	316.53	9.612
68.00	6.7816	382.58	319.83	9.695
70.00	7.0188	388.04	323.09	9.774
72.00	7.2542	393.43	326.31	9.850
74.00	7.4881	398.77	329.49	9.924
76.00	7.7206	404.08	332.65	9.995
78.00	7.9517	409.38	335.81	10.064
80.00	8.1818	414.67	338.97	10.131
82.00	8.4108	419.95	342.13	10.197
84.00	8.6389	425.22	345.28	10.260
86.00	8.8661	430.46	348.42	10.321
88.00	9.0925	435.68	351.55	10.381
90.00	9.3181	440.89	354.67	10.439
92.00	9.5430	446.09	357.79	10.496
94.00	9.7673	451.27	360.89	10.552
96.00	9.9910	456.44	363.99	10.606
98.00	10.2142	461.60	367.09	10.659
100.00	10.4369	466.75	370.18	10.711
102.00	10.6593	471.90	373.27	10.762
104.00	10.8813	477.04	376.35	10.812
106.00	11.1030	482.17	379.43	10.861
108.00	11.3245	487.30	382.51	10.910
110.00	11.5453	492.42	385.59	10.957
112.00	11.7657	497.55	388.68	11.003
114.00	11.9859	502.67	391.77	11.049
116.00	12.2057	507.80	394.86	11.093
118.00	12.4253	512.93	397.95	11.137
120.00	12.6446	518.06	401.05	11.180
122.00	12.8637	523.19	404.16	11.222
124.00	13.0826	528.33	407.27	11.264
126.00	13.3013	533.47	410.39	11.305
128.00	13.5196	538.61	413.51	11.345
130.00	13.7378	543.75	416.64	11.385
132.00	13.9558	548.90	419.77	11.424
134.00	14.1736	554.06	422.91	11.463
136.00	14.3913	559.22	426.06	11.501
138.00	14.6089	564.38	429.21	11.539
140.00	14.8263	569.56	432.37	11.576
142.00	15.0436	574.74	435.54	11.613
144.00	15.2607	579.92	438.72	11.649
146.00	15.4777	585.12	441.91	11.685
148.00	15.6945	590.32	445.10	11.721
150.00	15.9112	595.54	448.31	11.756
152.00	16.1278	600.76	451.53	11.790
154.00	16.3443	605.99	454.76	11.824
156.00	16.5606	611.23	458.00	11.858
158.00	16.7769	616.48	461.25	11.891
160.00	16.9932	621.75	464.51	11.925
162.00	17.2093	627.02	467.79	11.957
164.00	17.4253	632.31	471.07	11.990
166.00	17.6412	637.61	474.38	12.022
168.00	17.8570	642.92	477.69	12.054
170.00	18.0727	648.25	481.02	12.085
172.00	18.2884	653.59	484.37	12.116
174.00	18.5040	658.94	487.72	12.147
176.00	18.7195	664.31	491.10	12.178
178.00	18.9350	669.69	494.48	12.209
180.00	19.1504	675.08	497.88	12.239
182.00	19.3658	680.49	501.30	12.269
184.00	19.5810	685.91	504.73	12.298
186.00	19.7962	691.35	508.17	12.328
188.00	20.0113	696.80	511.63	12.357
190.00	20.2264	702.26	515.11	12.386
192.00	20.4414	707.74	518.60	12.414
194.00	20.6563	713.23	522.10	12.443
196.00	20.8713	718.74	525.62	12.471
198.00	21.0861	724.26	529.15	12.499
200.00	21.3010	729.80	532.70	12.527
202.00	21.5158	735.35	536.26	12.554
204.00	21.7305	740.92	539.84	12.581
206.00	21.9453	746.50	543.43	12.609
208.00	22.1600	752.09	547.04	12.635
210.00	22.3747	757.70	550.66	12.662
212.00	22.5894	763.32	554.30	12.689
214.00	22.8041	768.95	557.95	12.715
216.00	23.0187	774.62	561.62	12.741
218.00	23.2334	780.28	565.30	12.767
220.00	23.4480	785.97	569.00	12.793
222.00	23.6626	791.66	572.71	12.818
224.00	23.8772	797.38	576.44	12.844
226.00	24.0917	803.10	580.18	12.869
228.00	24.3061	808.85	583.94	12.895
230.00	24.5204	814.60	587.72	12.920
232.00	24.7347	820.38	591.51	12.945
234.00	24.9489	826.16	595.31	12.969
236.00	25.1632	831.96	599.13	12.994
238.00	25.3774	837.78	602.96	13.019
240.00	25.5916	843.61	606.81	13.043
242.00	25.8058	849.45	610.67	13.068
244.00	26.0199	855.31	614.55	13.092
246.00	26.2341	861.18	618.44	13.116
248.00	26.4482	867.07	622.35	13.140
250.00	26.6623	872.97	626.26	13.164
252.00	26.8764	878.88	630.20	13.187
254.00	27.0905	884.81	634.14	13.211
256.00	27.3046	890.75	638.10	13.234
258.00	27.5186	896.71	642.08	13.258
260.00	27.7327	902.67	646.06	13.281

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	27.9468	908.65	650.06	13.304	402.00	42.8985	1352.48	955.54	14.657
264.00	28.1608	914.65	654.08	13.327	404.00	43.1119	1359.09	960.18	14.674
266.00	28.3748	920.65	658.10	13.350	406.00	43.3253	1365.71	964.82	14.690
268.00	28.5889	926.67	662.14	13.372	408.00	43.5387	1372.33	969.47	14.706
270.00	28.8029	932.70	666.19	13.395	410.00	43.7521	1378.96	974.13	14.722
272.00	29.0168	938.74	670.26	13.417	412.00	43.9655	1385.59	978.79	14.738
274.00	29.2306	944.80	674.33	13.440	414.00	44.1789	1392.23	983.45	14.754
276.00	29.4445	950.86	678.42	13.462	416.00	44.3923	1398.88	988.12	14.770
278.00	29.6583	956.94	682.52	13.484	418.00	44.6058	1405.53	992.80	14.786
280.00	29.8722	963.03	686.63	13.506	420.00	44.8193	1412.19	997.48	14.802
282.00	30.0860	969.13	690.75	13.527	422.00	45.0327	1418.85	1002.17	14.818
284.00	30.2998	975.25	694.89	13.549	424.00	45.2461	1425.52	1006.86	14.834
286.00	30.5137	981.37	699.03	13.571	426.00	45.4595	1432.19	1011.55	14.849
288.00	30.7275	987.51	703.19	13.592	428.00	45.6729	1438.86	1016.25	14.865
290.00	30.9413	993.66	707.36	13.613	430.00	45.8863	1445.54	1020.96	14.881
292.00	31.1551	999.82	711.54	13.634	432.00	46.0996	1452.22	1025.67	14.896
294.00	31.3689	1005.99	715.73	13.655	434.00	46.3129	1458.91	1030.38	14.912
296.00	31.5826	1012.17	719.94	13.676	436.00	46.5261	1465.60	1035.09	14.927
298.00	31.7964	1018.36	724.15	13.697	438.00	46.7393	1472.29	1039.81	14.942
300.00	32.0102	1024.56	728.37	13.718	440.00	46.9525	1478.99	1044.54	14.957
302.00	32.2240	1030.78	732.61	13.739	442.00	47.1656	1485.69	1049.27	14.973
304.00	32.4377	1037.00	736.86	13.759	444.00	47.3787	1492.39	1054.00	14.988
306.00	32.6515	1043.23	741.11	13.779	446.00	47.5918	1499.09	1058.73	15.003
308.00	32.8652	1049.48	745.38	13.800	448.00	47.8048	1505.80	1063.47	15.018
310.00	33.0788	1055.73	749.66	13.820	450.00	48.0177	1512.51	1068.21	15.033
312.00	33.2925	1062.00	753.94	13.840	452.00	48.2306	1519.23	1072.96	15.048
314.00	33.5061	1068.27	758.24	13.860	454.00	48.4435	1525.94	1077.70	15.063
316.00	33.7198	1074.56	762.55	13.880	456.00	48.6563	1532.66	1082.46	15.077
318.00	33.9334	1080.85	766.87	13.900	458.00	48.8690	1539.39	1087.21	15.092
320.00	34.1470	1087.15	771.19	13.920	460.00	49.0817	1546.11	1091.97	15.107
322.00	34.3606	1093.47	775.53	13.939	462.00	49.2944	1552.84	1096.73	15.121
324.00	34.5742	1099.79	779.88	13.959	464.00	49.5070	1559.57	1101.49	15.136
326.00	34.7878	1106.12	784.23	13.978	466.00	49.7196	1566.30	1106.26	15.150
328.00	35.0014	1112.46	788.60	13.998	468.00	49.9322	1573.04	1111.03	15.165
330.00	35.2149	1118.81	792.97	14.017	470.00	50.1448	1579.78	1115.80	15.179
332.00	35.4285	1125.17	797.35	14.036	472.00	50.3573	1586.52	1120.58	15.194
334.00	35.6420	1131.54	801.74	14.056	474.00	50.5698	1593.27	1125.36	15.208
336.00	35.8556	1137.91	806.14	14.075	476.00	50.7823	1600.02	1130.14	15.222
338.00	36.0691	1144.30	810.55	14.093	478.00	50.9947	1606.77	1134.93	15.236
340.00	36.2826	1150.69	814.97	14.112	480.00	51.2072	1613.52	1139.72	15.250
342.00	36.4962	1157.09	819.39	14.131	482.00	51.4197	1620.28	1144.51	15.264
344.00	36.7097	1163.50	823.83	14.150	484.00	51.6322	1627.05	1149.31	15.279
346.00	36.9232	1169.92	828.27	14.168	486.00	51.8447	1633.81	1154.10	15.292
348.00	37.1367	1176.34	832.72	14.187	488.00	52.0573	1640.58	1158.91	15.306
350.00	37.3502	1182.78	837.18	14.205	490.00	52.2699	1647.35	1163.71	15.320
352.00	37.5637	1189.22	841.64	14.224	492.00	52.4825	1654.13	1168.52	15.334
354.00	37.7772	1195.66	846.12	14.242	494.00	52.6952	1660.91	1173.33	15.348
356.00	37.9907	1202.12	850.60	14.260	496.00	52.9079	1667.69	1178.15	15.362
358.00	38.2041	1208.58	855.09	14.278	498.00	53.1207	1674.48	1182.96	15.375
360.00	38.4176	1215.05	859.58	14.296	500.00	53.3336	1681.27	1187.79	15.389
362.00	38.6310	1221.53	864.08	14.314	502.00	53.5466	1688.07	1192.61	15.402
364.00	38.8444	1228.01	868.59	14.332	504.00	53.7596	1694.87	1197.44	15.416
366.00	39.0578	1234.51	873.11	14.350	506.00	53.9727	1701.68	1202.27	15.429
368.00	39.2711	1241.00	877.63	14.368	508.00	54.1859	1708.48	1207.11	15.443
370.00	39.4845	1247.51	882.16	14.385	510.00	54.3993	1715.30	1211.94	15.456
372.00	39.6979	1254.02	886.70	14.403	512.00	54.6127	1722.11	1216.78	15.469
374.00	39.9113	1260.54	891.25	14.420	514.00	54.8262	1728.94	1221.63	15.483
376.00	40.1246	1267.06	895.80	14.438	516.00	55.0399	1735.76	1226.48	15.496
378.00	40.3380	1273.59	900.35	14.455	518.00	55.2536	1742.59	1231.33	15.509
380.00	40.5514	1280.13	904.92	14.472	520.00	55.4674	1749.42	1236.18	15.522
382.00	40.7647	1286.68	909.49	14.489	522.00	55.6814	1756.26	1241.04	15.535
384.00	40.9781	1293.23	914.07	14.507	524.00	55.8954	1763.10	1245.90	15.548
386.00	41.1915	1299.79	918.65	14.524	526.00	56.1096	1769.95	1250.75	15.561
388.00	41.4048	1306.35	923.24	14.540	528.00	56.3238	1776.79	1255.63	15.574
390.00	41.6182	1312.92	927.84	14.557	530.00	56.5381	1783.64	1260.50	15.587
392.00	41.8316	1319.50	932.44	14.574	532.00	56.7525	1790.50	1265.37	15.600
394.00	42.0450	1326.08	937.05	14.591	534.00	56.9669	1797.35	1270.24	15.613
396.00	42.2583	1332.67	941.66	14.608	536.00	57.1813	1804.21	1275.12	15.626
398.00	42.4717	1339.27	946.28	14.624	538.00	57.3958	1811.07	1279.99	15.639
400.00	42.6851	1345.87	950.91	14.641	540.00	57.6103	1817.93	1284.87	15.651

60.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
47.22	3.2082	315.05	279.42	8.341
48.00	3.3151	317.93	281.10	8.401
50.00	3.5780	325.10	285.35	8.547
52.00	3.8267	331.95	289.45	8.682
54.00	4.0643	338.51	293.38	8.806
56.00	4.2938	344.84	297.16	8.921
58.00	4.5169	350.98	300.83	9.029
60.00	4.7352	357.00	304.42	9.130
62.00	4.9492	362.91	307.96	9.227
64.00	5.1596	368.73	311.44	9.319
66.00	5.3668	374.46	314.87	9.407
68.00	5.5713	380.12	318.26	9.491
70.00	5.7734	385.69	321.59	9.573
72.00	5.9738	391.20	324.87	9.650
74.00	6.1727	396.65	328.11	9.725
76.00	6.3703	402.06	331.32	9.798
78.00	6.5663	407.44	334.54	9.868
80.00	6.7612	412.82	337.74	9.936
82.00	6.9549	418.17	340.95	10.002
84.00	7.1477	423.51	344.14	10.067
86.00	7.3395	428.81	347.32	10.129
88.00	7.5306	434.10	350.48	10.189
90.00	7.7208	439.36	353.64	10.248
92.00	7.9103	444.61	356.78	10.306
94.00	8.0992	449.85	359.92	10.362
96.00	8.2874	455.07	363.05	10.416
98.00	8.4752	460.28	366.17	10.470
100.00	8.6625	465.47	369.28	10.523
102.00	8.8494	470.66	372.39	10.574
104.00	9.0360	475.83	375.50	10.625
106.00	9.2223	481.01	378.60	10.674
108.00	9.4083	486.17	381.71	10.723
110.00	9.5936	491.33	384.81	10.770
112.00	9.7786	496.49	387.91	10.817
114.00	9.9633	501.65	391.02	10.862
116.00	10.1477	506.80	394.13	10.907
118.00	10.3318	511.96	397.24	10.951
120.00	10.5156	517.12	400.36	10.995
122.00	10.6992	522.28	403.48	11.037
124.00	10.8826	527.44	406.61	11.079
126.00	11.0658	532.61	409.74	11.120
128.00	11.2487	537.77	412.87	11.161
130.00	11.4313	542.94	416.01	11.201
132.00	11.6138	548.11	419.16	11.240
134.00	11.7962	553.29	422.31	11.279
136.00	11.9784	558.47	425.47	11.317
138.00	12.1604	563.66	428.63	11.355
140.00	12.3424	568.85	431.80	11.393
142.00	12.5242	574.05	434.98	11.430
144.00	12.7059	579.25	438.17	11.466
146.00	12.8873	584.46	441.37	11.502
148.00	13.0686	589.68	444.58	11.537
150.00	13.2498	594.91	447.79	11.573
152.00	13.4309	600.15	451.02	11.607
154.00	13.6119	605.39	454.25	11.641
156.00	13.7928	610.65	457.50	11.675
158.00	13.9736	615.92	460.76	11.709
160.00	14.1543	621.19	464.03	11.742
162.00	14.3349	626.48	467.32	11.775
164.00	14.5154	631.78	470.61	11.807
166.00	14.6958	637.10	473.92	11.839
168.00	14.8761	642.42	477.25	11.871
170.00	15.0564	647.76	480.58	11.903
172.00	15.2365	653.11	483.93	11.934
174.00	15.4166	658.48	487.30	11.965
176.00	15.5967	663.85	490.68	11.996
178.00	15.7767	669.24	494.07	12.027
180.00	15.9566	674.65	497.48	12.057
182.00	16.1364	680.07	500.90	12.087
184.00	16.3162	685.50	504.33	12.117
186.00	16.4958	690.95	507.78	12.146
188.00	16.6755	696.41	511.25	12.175
190.00	16.8550	701.88	514.73	12.204
192.00	17.0346	707.37	518.22	12.233
194.00	17.2140	712.87	521.73	12.261
196.00	17.3935	718.39	525.26	12.290
198.00	17.5728	723.92	528.79	12.318
200.00	17.7522	729.46	532.35	12.345
202.00	17.9315	735.02	535.91	12.373
204.00	18.1108	740.59	539.50	12.400
206.00	18.2900	746.18	543.09	12.427
208.00	18.4693	751.78	546.71	12.454
210.00	18.6485	757.40	550.33	12.481
212.00	18.8277	763.03	553.97	12.508
214.00	19.0068	768.68	557.63	12.534
216.00	19.1860	774.33	561.30	12.560
218.00	19.3651	780.01	564.99	12.586
220.00	19.5443	785.70	568.69	12.612
222.00	19.7234	791.40	572.40	12.637
224.00	19.9025	797.12	576.13	12.663
226.00	20.0815	802.85	579.88	12.688
228.00	20.2604	808.60	583.64	12.714
230.00	20.4392	814.36	587.42	12.739
232.00	20.6180	820.14	591.21	12.764
234.00	20.7968	825.93	595.02	12.789
236.00	20.9755	831.74	598.84	12.813
238.00	21.1543	837.56	602.67	12.838
240.00	21.3330	843.40	606.52	12.862
242.00	21.5117	849.24	610.39	12.887
244.00	21.6903	855.11	614.27	12.911
246.00	21.8690	860.99	618.16	12.935
248.00	22.0476	866.88	622.07	12.959
250.00	22.2262	872.78	625.99	12.983
252.00	22.4049	878.70	629.92	13.007
254.00	22.5834	884.63	633.87	13.030
256.00	22.7620	890.58	637.84	13.054
258.00	22.9406	896.54	641.81	13.077
260.00	23.1192	902.51	645.80	13.100

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	23.2977	908.49	649.80	13.123	402.00	35.7650	1352.51	955.40	14.477
264.00	23.4763	914.49	653.82	13.146	404.00	35.9429	1359.13	960.04	14.494
266.00	23.6548	920.50	657.85	13.169	406.00	36.1208	1365.75	964.68	14.510
268.00	23.8333	926.52	661.89	13.192	408.00	36.2987	1372.37	969.33	14.526
270.00	24.0118	932.56	665.94	13.214	410.00	36.4765	1379.00	973.99	14.542
272.00	24.1902	938.60	670.01	13.237	412.00	36.6544	1385.64	978.65	14.558
274.00	24.3686	944.66	674.08	13.259	414.00	36.8323	1392.28	983.31	14.575
276.00	24.5470	950.73	678.17	13.281	416.00	37.0103	1398.93	987.99	14.591
278.00	24.7253	956.81	682.28	13.303	418.00	37.1882	1405.58	992.66	14.606
280.00	24.9037	962.91	686.39	13.325	420.00	37.3661	1412.24	997.35	14.622
282.00	25.0820	969.01	690.51	13.347	422.00	37.5440	1418.91	1002.03	14.638
284.00	25.2603	975.13	694.65	13.369	424.00	37.7219	1425.57	1006.73	14.654
286.00	25.4387	981.26	698.80	13.390	426.00	37.8998	1432.25	1011.42	14.670
288.00	25.6170	987.40	702.96	13.412	428.00	38.0777	1438.92	1016.12	14.685
290.00	25.7953	993.55	707.13	13.433	430.00	38.2555	1445.60	1020.83	14.701
292.00	25.9736	999.71	711.31	13.454	432.00	38.4333	1452.29	1025.54	14.716
294.00	26.1519	1005.89	715.51	13.475	434.00	38.6111	1458.97	1030.25	14.732
296.00	26.3302	1012.07	719.71	13.496	436.00	38.7889	1465.66	1034.97	14.747
298.00	26.5085	1018.27	723.93	13.517	438.00	38.9666	1472.36	1039.69	14.762
300.00	26.6868	1024.47	728.15	13.538	440.00	39.1443	1479.05	1044.41	14.778
302.00	26.8650	1030.69	732.39	13.558	442.00	39.3220	1485.76	1049.14	14.793
304.00	27.0433	1036.91	736.64	13.579	444.00	39.4996	1492.46	1053.88	14.808
306.00	27.2216	1043.15	740.90	13.599	446.00	39.6772	1499.17	1058.61	14.823
308.00	27.3998	1049.40	745.17	13.620	448.00	39.8547	1505.88	1063.35	14.838
310.00	27.5779	1055.66	749.45	13.640	450.00	40.0322	1512.59	1068.09	14.853
312.00	27.7561	1061.92	753.74	13.660	452.00	40.2097	1519.30	1072.84	14.868
314.00	27.9343	1068.20	758.03	13.680	454.00	40.3871	1526.02	1077.59	14.883
316.00	28.1124	1074.49	762.34	13.700	456.00	40.5645	1532.74	1082.34	14.897
318.00	28.2905	1080.79	766.66	13.720	458.00	40.7419	1539.47	1087.10	14.912
320.00	28.4686	1087.09	770.99	13.740	460.00	40.9192	1546.20	1091.85	14.927
322.00	28.6468	1093.41	775.33	13.759	462.00	41.0965	1552.93	1096.62	14.942
324.00	28.8249	1099.73	779.68	13.779	464.00	41.2737	1559.66	1101.38	14.956
326.00	29.0029	1106.07	784.03	13.798	466.00	41.4510	1566.39	1106.15	14.971
328.00	29.1810	1112.41	788.40	13.818	468.00	41.6282	1573.13	1110.92	14.985
330.00	29.3591	1118.76	792.78	13.837	470.00	41.8053	1579.87	1115.69	14.999
332.00	29.5372	1125.13	797.16	13.856	472.00	41.9825	1586.62	1120.47	15.014
334.00	29.7152	1131.50	801.55	13.875	474.00	42.1596	1593.36	1125.25	15.028
336.00	29.8933	1137.87	805.95	13.894	476.00	42.3368	1600.11	1130.04	15.042
338.00	30.0713	1144.26	810.36	13.913	478.00	42.5139	1606.87	1134.82	15.056
340.00	30.2494	1150.66	814.78	13.932	480.00	42.6910	1613.62	1139.61	15.071
342.00	30.4274	1157.06	819.21	13.951	482.00	42.8682	1620.38	1144.41	15.085
344.00	30.6054	1163.47	823.65	13.970	484.00	43.0453	1627.15	1149.20	15.099
346.00	30.7834	1169.89	828.09	13.988	486.00	43.2225	1633.91	1154.00	15.113
348.00	30.9614	1176.32	832.54	14.007	488.00	43.3997	1640.68	1158.80	15.127
350.00	31.1394	1182.76	837.00	14.025	490.00	43.5769	1647.46	1163.61	15.140
352.00	31.3174	1189.20	841.47	14.044	492.00	43.7541	1654.24	1168.42	15.154
354.00	31.4954	1195.65	845.94	14.062	494.00	43.9314	1661.02	1173.23	15.168
356.00	31.6734	1202.11	850.42	14.080	496.00	44.1088	1667.80	1178.05	15.182
358.00	31.8514	1208.57	854.91	14.098	498.00	44.2861	1674.59	1182.87	15.195
360.00	32.0294	1215.05	859.41	14.116	500.00	44.4636	1681.39	1187.69	15.209
362.00	32.2073	1221.53	863.91	14.134	502.00	44.6411	1688.18	1192.51	15.223
364.00	32.3852	1228.01	868.43	14.152	504.00	44.8187	1694.98	1197.34	15.236
366.00	32.5631	1234.51	872.94	14.170	506.00	44.9963	1701.79	1202.17	15.250
368.00	32.7410	1241.01	877.47	14.188	508.00	45.1740	1708.60	1207.01	15.263
370.00	32.9189	1247.51	882.00	14.205	510.00	45.3518	1715.41	1211.85	15.276
372.00	33.0968	1254.03	886.54	14.223	512.00	45.5297	1722.23	1216.69	15.290
374.00	33.2747	1260.55	891.08	14.240	514.00	45.7077	1729.05	1221.54	15.303
376.00	33.4525	1267.07	895.64	14.258	516.00	45.8857	1735.88	1226.38	15.316
378.00	33.6304	1273.61	900.20	14.275	518.00	46.0639	1742.71	1231.24	15.329
380.00	33.8083	1280.15	904.76	14.292	520.00	46.2421	1749.54	1236.09	15.343
382.00	33.9862	1286.70	909.33	14.309	522.00	46.4204	1756.38	1240.95	15.356
384.00	34.1641	1293.25	913.91	14.326	524.00	46.5988	1763.22	1245.81	15.369
386.00	34.3419	1299.81	918.50	14.344	526.00	46.7772	1770.07	1250.67	15.382
388.00	34.5198	1306.38	923.09	14.360	528.00	46.9557	1776.91	1255.54	15.395
390.00	34.6977	1312.95	927.69	14.377	530.00	47.1343	1783.77	1260.41	15.408
392.00	34.8756	1319.53	932.29	14.394	532.00	47.3130	1790.62	1265.28	15.420
394.00	35.0535	1326.11	936.90	14.411	534.00	47.4916	1797.48	1270.15	15.433
396.00	35.2313	1332.70	941.52	14.428	536.00	47.6703	1804.33	1275.03	15.446
398.00	35.4092	1339.30	946.14	14.444	538.00	47.8491	1811.20	1279.90	15.459
400.00	35.5871	1345.90	950.76	14.461	540.00	48.0278	1818.06	1284.78	15.471

70.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
48.66	2.7401	314.31	278.80	8.210
50.00	2.9075	319.64	281.95	8.319
52.00	3.1411	327.16	286.46	8.466
54.00	3.3603	334.24	290.71	8.600
56.00	3.5690	340.97	294.74	8.723
58.00	3.7700	347.44	298.60	8.836
60.00	3.9653	353.71	302.34	8.942
62.00	4.1560	359.84	306.01	9.042
64.00	4.3425	365.86	309.61	9.137
66.00	4.5255	371.77	313.15	9.228
68.00	4.7054	377.59	316.63	9.315
70.00	4.8829	383.31	320.05	9.398
72.00	5.0584	388.94	323.41	9.478
74.00	5.2325	394.50	326.71	9.554
76.00	5.4053	400.00	329.98	9.628
78.00	5.5763	405.48	333.24	9.699
80.00	5.7461	410.94	336.50	9.769
82.00	5.9148	416.37	339.75	9.836
84.00	6.0824	421.78	342.99	9.901
86.00	6.2490	427.16	346.21	9.964
88.00	6.4148	432.51	349.41	10.025
90.00	6.5799	437.83	352.59	10.085
92.00	6.7442	443.14	355.77	10.143
94.00	6.9077	448.43	358.94	10.199
96.00	7.0707	453.69	362.09	10.255
98.00	7.2331	458.95	365.24	10.309
100.00	7.3951	464.19	368.38	10.362
102.00	7.5567	469.41	371.51	10.414
104.00	7.7180	474.63	374.64	10.465
106.00	7.8790	479.84	377.77	10.514
108.00	8.0397	485.04	380.90	10.563
110.00	8.1997	490.24	384.02	10.611
112.00	8.3594	495.43	387.14	10.658
114.00	8.5187	500.62	390.27	10.704
116.00	8.6777	505.81	393.40	10.749
118.00	8.8364	511.00	396.53	10.793
120.00	8.9949	516.18	399.66	10.837
122.00	9.1532	521.37	402.80	10.880
124.00	9.3113	526.56	405.94	10.922
126.00	9.4691	531.75	409.09	10.963
128.00	9.6267	536.94	412.24	11.004
130.00	9.7840	542.13	415.39	11.044
132.00	9.9411	547.33	418.55	11.084
134.00	10.0981	552.53	421.71	11.123
136.00	10.2550	557.73	424.88	11.161
138.00	10.4117	562.93	428.06	11.199
140.00	10.5683	568.14	431.24	11.237
142.00	10.7247	573.36	434.43	11.274
144.00	10.8811	578.58	437.62	11.310
146.00	11.0371	583.81	440.83	11.346
148.00	11.1931	589.04	444.05	11.382
150.00	11.3489	594.29	447.27	11.417
152.00	11.5047	599.54	450.51	11.452
154.00	11.6603	604.80	453.75	11.486
156.00	11.8159	610.07	457.01	11.520
158.00	11.9713	615.35	460.28	11.554
160.00	12.1267	620.64	463.56	11.587
162.00	12.2820	625.95	466.85	11.620
164.00	12.4371	631.26	470.15	11.653
166.00	12.5921	636.59	473.47	11.685
168.00	12.7471	641.92	476.80	11.717
170.00	12.9019	647.27	480.14	11.749
172.00	13.0568	652.64	483.50	11.780
174.00	13.2115	658.01	486.87	11.811
176.00	13.3662	663.40	490.26	11.842
178.00	13.5208	668.80	493.65	11.872
180.00	13.6754	674.22	497.07	11.903
182.00	13.8298	679.65	500.50	11.933
184.00	13.9842	685.09	503.94	11.963
186.00	14.1385	690.55	507.39	11.992
188.00	14.2928	696.02	510.85	12.021
190.00	14.4470	701.50	514.35	12.050
192.00	14.6012	707.00	517.85	12.079
194.00	14.7553	712.51	521.36	12.108
196.00	14.9093	718.03	524.89	12.136
198.00	15.0634	723.57	528.43	12.164
200.00	15.2174	729.12	531.99	12.192
202.00	15.3713	734.69	535.56	12.219
204.00	15.5252	740.27	539.15	12.247
206.00	15.6792	745.87	542.75	12.274
208.00	15.8330	751.48	546.36	12.301
210.00	15.9869	757.10	550.00	12.328
212.00	16.1407	762.74	553.64	12.354
214.00	16.2946	768.39	557.30	12.381
216.00	16.4484	774.05	560.98	12.407
218.00	16.6022	779.74	564.65	12.433
220.00	16.7560	785.43	568.37	12.459
222.00	16.9097	791.14	572.09	12.484
224.00	17.0635	796.86	575.82	12.510
226.00	17.2171	802.60	579.57	12.535
228.00	17.3707	808.36	583.34	12.560
230.00	17.5241	814.13	587.12	12.586
232.00	17.6776	819.91	590.91	12.611
234.00	17.8310	825.71	594.72	12.635
236.00	17.9845	831.52	598.55	12.660
238.00	18.1378	837.34	602.38	12.685
240.00	18.2912	843.18	606.24	12.709
242.00	18.4446	849.04	610.11	12.734
244.00	18.5979	854.91	613.99	12.758
246.00	18.7512	860.79	617.88	12.782
248.00	18.9045	866.69	621.79	12.806
250.00	19.0577	872.59	625.72	12.830
252.00	19.2110	878.52	629.66	12.854
254.00	19.3642	884.45	633.61	12.877
256.00	19.5175	890.40	637.57	12.901
258.00	19.6707	896.37	641.55	12.924
260.00	19.8239	902.34	645.54	12.947

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	19.9771	908.33	649.55	12.970	402.00	30.6696	1352.55	955.25	14.325
264.00	20.1302	914.33	653.56	12.993	404.00	30.8221	1359.16	959.89	14.341
266.00	20.2834	920.35	657.59	13.016	406.00	30.9747	1365.79	964.54	14.358
268.00	20.4366	926.37	661.64	13.039	408.00	31.1272	1372.41	969.19	14.374
270.00	20.5897	932.41	665.69	13.062	410.00	31.2797	1379.05	973.85	14.390
272.00	20.7427	938.46	669.76	13.084	412.00	31.4322	1385.68	978.51	14.406
274.00	20.8958	944.53	673.84	13.106	414.00	31.5848	1392.33	983.18	14.422
276.00	21.0488	950.60	677.93	13.129	416.00	31.7373	1398.98	987.85	14.438
278.00	21.2018	956.69	682.04	13.151	418.00	31.8899	1405.63	992.53	14.454
280.00	21.3548	962.78	686.15	13.172	420.00	32.0425	1412.29	997.21	14.470
282.00	21.5078	968.89	690.28	13.194	422.00	32.1950	1418.96	1001.90	14.486
284.00	21.6608	975.01	694.42	13.216	424.00	32.3476	1425.63	1006.60	14.502
286.00	21.8137	981.15	698.57	13.237	426.00	32.5001	1432.30	1011.29	14.517
288.00	21.9667	987.29	702.73	13.259	428.00	32.6526	1438.98	1016.00	14.533
290.00	22.1197	993.44	706.90	13.280	430.00	32.8051	1445.66	1020.70	14.549
292.00	22.2726	999.61	711.09	13.301	432.00	32.9575	1452.35	1025.41	14.564
294.00	22.4255	1005.79	715.28	13.322	434.00	33.1100	1459.04	1030.13	14.580
296.00	22.5785	1011.97	719.49	13.343	436.00	33.2624	1465.73	1034.84	14.595
298.00	22.7314	1018.17	723.71	13.364	438.00	33.4148	1472.42	1039.57	14.610
300.00	22.8843	1024.38	727.94	13.385	440.00	33.5671	1479.12	1044.29	14.625
302.00	23.0373	1030.60	732.17	13.406	442.00	33.7195	1485.83	1049.02	14.641
304.00	23.1902	1036.83	736.42	13.426	444.00	33.8717	1492.53	1053.76	14.656
306.00	23.3431	1043.07	740.68	13.447	446.00	34.0240	1499.24	1058.49	14.671
308.00	23.4959	1049.32	744.95	13.467	448.00	34.1762	1505.95	1063.23	14.686
310.00	23.6487	1055.58	749.24	13.487	450.00	34.3284	1512.67	1067.98	14.701
312.00	23.8015	1061.85	753.53	13.507	452.00	34.4806	1519.38	1072.72	14.716
314.00	23.9543	1068.13	757.83	13.527	454.00	34.6327	1526.10	1077.47	14.731
316.00	24.1071	1074.42	762.14	13.547	456.00	34.7848	1532.83	1082.23	14.745
318.00	24.2599	1080.72	766.46	13.567	458.00	34.9369	1539.55	1086.98	14.760
320.00	24.4127	1087.03	770.79	13.587	460.00	35.0889	1546.28	1091.74	14.775
322.00	24.5654	1093.35	775.13	13.607	462.00	35.2409	1553.01	1096.50	14.789
324.00	24.7182	1099.68	779.48	13.626	464.00	35.3929	1559.75	1101.27	14.804
326.00	24.8709	1106.02	783.84	13.646	466.00	35.5449	1566.48	1106.04	14.818
328.00	25.0237	1112.36	788.20	13.665	468.00	35.6968	1573.22	1110.81	14.833
330.00	25.1764	1118.72	792.58	13.685	470.00	35.8487	1579.97	1115.59	14.847
332.00	25.3291	1125.08	796.97	13.704	472.00	36.0006	1586.71	1120.37	14.862
334.00	25.4818	1131.46	801.36	13.723	474.00	36.1525	1593.46	1125.15	14.876
336.00	25.6345	1137.84	805.76	13.742	476.00	36.3044	1600.21	1129.93	14.890
338.00	25.7872	1144.23	810.18	13.761	478.00	36.4562	1606.97	1134.72	14.904
340.00	25.9399	1150.63	814.60	13.780	480.00	36.6081	1613.72	1139.51	14.919
342.00	26.0926	1157.03	819.03	13.799	482.00	36.7600	1620.49	1144.30	14.933
344.00	26.2452	1163.45	823.46	13.817	484.00	36.9118	1627.25	1149.10	14.947
346.00	26.3979	1169.87	827.91	13.836	486.00	37.0637	1634.02	1153.90	14.961
348.00	26.5506	1176.30	832.36	13.854	488.00	37.2156	1640.79	1158.70	14.975
350.00	26.7032	1182.74	836.82	13.873	490.00	37.3676	1647.56	1163.51	14.988
352.00	26.8559	1189.18	841.29	13.891	492.00	37.5195	1654.34	1168.32	15.002
354.00	27.0085	1195.64	845.77	13.910	494.00	37.6715	1661.13	1173.13	15.016
356.00	27.1611	1202.10	850.25	13.928	496.00	37.8236	1667.91	1177.95	15.030
358.00	27.3138	1208.56	854.74	13.946	498.00	37.9756	1674.70	1182.77	15.043
360.00	27.4664	1215.04	859.24	13.964	500.00	38.1278	1681.50	1187.59	15.057
362.00	27.6190	1221.52	863.75	13.982	502.00	38.2799	1688.30	1192.42	15.071
364.00	27.7715	1228.01	868.26	14.000	504.00	38.4322	1695.10	1197.24	15.084
366.00	27.9241	1234.50	872.78	14.018	506.00	38.5844	1701.90	1202.08	15.098
368.00	28.0766	1241.01	877.30	14.035	508.00	38.7368	1708.71	1206.91	15.111
370.00	28.2292	1247.52	881.84	14.053	510.00	38.8892	1715.53	1211.75	15.124
372.00	28.3817	1254.03	886.38	14.070	512.00	39.0417	1722.35	1216.59	15.138
374.00	28.5342	1260.55	890.92	14.088	514.00	39.1943	1729.17	1221.44	15.151
376.00	28.6868	1267.08	895.48	14.105	516.00	39.3469	1736.00	1226.29	15.164
378.00	28.8393	1273.62	900.04	14.123	518.00	39.4996	1742.83	1231.14	15.177
380.00	28.9918	1280.16	904.60	14.140	520.00	39.6524	1749.66	1236.00	15.190
382.00	29.1444	1286.71	909.18	14.157	522.00	39.8052	1756.50	1240.85	15.204
384.00	29.2969	1293.27	913.76	14.174	524.00	39.9581	1763.34	1245.72	15.217
386.00	29.4494	1299.83	918.34	14.191	526.00	40.1111	1770.19	1250.58	15.230
388.00	29.6019	1306.40	922.94	14.208	528.00	40.2641	1777.04	1255.45	15.243
390.00	29.7545	1312.97	927.54	14.225	530.00	40.4172	1783.89	1260.31	15.255
392.00	29.9070	1319.55	932.14	14.242	532.00	40.5703	1790.74	1265.19	15.268
394.00	30.0595	1326.14	936.75	14.259	534.00	40.7235	1797.60	1270.06	15.281
396.00	30.2120	1332.73	941.37	14.275	536.00	40.8767	1804.46	1274.94	15.294
398.00	30.3646	1339.33	945.99	14.292	538.00	41.0299	1811.32	1279.81	15.307
400.00	30.5171	1345.94	950.62	14.308	540.00	41.1831	1818.18	1284.69	15.319

80.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
49.95	2.3804	313.31	278.05	8.095
50.00	2.3860	313.51	278.17	8.099
52.00	2.6150	321.88	283.15	8.263
54.00	2.8244	329.62	287.81	8.409
56.00	3.0197	336.84	292.14	8.540
58.00	3.2056	343.69	296.23	8.660
60.00	3.3847	350.27	300.16	8.772
62.00	3.5587	356.66	303.97	8.876
64.00	3.7280	362.90	307.71	8.975
66.00	3.8932	369.02	311.38	9.069
68.00	4.0550	375.01	314.98	9.158
70.00	4.2139	380.88	318.49	9.243
72.00	4.3710	386.64	321.92	9.325
74.00	4.5267	392.31	325.29	9.403
76.00	4.6811	397.91	328.61	9.478
78.00	4.8335	403.49	331.93	9.551
80.00	4.9845	409.03	335.24	9.621
82.00	5.1344	414.56	338.54	9.689
84.00	5.2832	420.04	341.83	9.755
86.00	5.4310	425.49	345.09	9.819
88.00	5.5780	430.91	348.33	9.881
90.00	5.7242	436.29	351.54	9.942
92.00	5.8695	441.65	354.75	10.000
94.00	6.0141	446.99	357.95	10.057
96.00	6.1581	452.31	361.13	10.113
98.00	6.3016	457.60	364.31	10.168
100.00	6.4446	462.89	367.47	10.221
102.00	6.5873	468.16	370.63	10.274
104.00	6.7296	473.42	373.78	10.325
106.00	6.8716	478.67	376.93	10.375
108.00	7.0134	483.91	380.08	10.424
110.00	7.1544	489.14	383.22	10.473
112.00	7.2950	494.37	386.37	10.520
114.00	7.4353	499.59	389.51	10.566
116.00	7.5753	504.81	392.66	10.611
118.00	7.7150	510.03	395.81	10.656
120.00	7.8545	515.25	398.96	10.699
122.00	7.9938	520.46	402.12	10.742
124.00	8.1329	525.68	405.27	10.785
126.00	8.2718	530.90	408.44	10.826
128.00	8.4103	536.11	411.60	10.867
130.00	8.5486	541.33	414.77	10.908
132.00	8.6867	546.54	417.94	10.947
134.00	8.8247	551.76	421.11	10.987
136.00	8.9625	556.98	424.29	11.025
138.00	9.1002	562.20	427.48	11.064
140.00	9.2378	567.43	430.67	11.101
142.00	9.3752	572.67	433.87	11.138
144.00	9.5126	577.90	437.07	11.175
146.00	9.6496	583.15	440.29	11.211
148.00	9.7866	588.40	443.52	11.247
150.00	9.9234	593.66	446.75	11.282
152.00	10.0601	598.93	449.99	11.317
154.00	10.1968	604.21	453.25	11.352
156.00	10.3333	609.49	456.51	11.386
158.00	10.4697	614.79	459.79	11.419
160.00	10.6061	620.10	463.08	11.453
162.00	10.7423	625.41	466.38	11.486
164.00	10.8784	630.74	469.69	11.518
166.00	11.0144	636.08	473.01	11.551
168.00	11.1504	641.43	476.35	11.583
170.00	11.2862	646.79	479.70	11.614
172.00	11.4220	652.17	483.07	11.646
174.00	11.5577	657.55	486.44	11.677
176.00	11.6934	662.95	489.84	11.708
178.00	11.8290	668.37	493.24	11.739
180.00	11.9646	673.79	496.66	11.769
182.00	12.1000	679.23	500.10	11.799
184.00	12.2354	684.68	503.54	11.829
186.00	12.3707	690.15	507.00	11.858
188.00	12.5059	695.63	510.48	11.888
190.00	12.6411	701.12	513.97	11.917
192.00	12.7762	706.62	517.47	11.946
194.00	12.9113	712.14	520.99	11.974
196.00	13.0464	717.68	524.53	12.002
198.00	13.1814	723.22	528.07	12.031
200.00	13.3163	728.78	531.64	12.058
202.00	13.4513	734.36	535.21	12.086
204.00	13.5862	739.95	538.80	12.114
206.00	13.7211	745.55	542.41	12.141
208.00	13.8559	751.17	546.03	12.168
210.00	13.9908	756.80	549.66	12.195
212.00	14.1256	762.44	553.31	12.221
214.00	14.2604	768.10	556.97	12.247
216.00	14.3952	773.77	560.65	12.274
218.00	14.5300	779.46	564.34	12.300
220.00	14.6648	785.16	568.05	12.326
222.00	14.7995	790.88	571.77	12.351
224.00	14.9343	796.61	575.51	12.377
226.00	15.0689	802.35	579.26	12.402
228.00	15.2034	808.11	583.03	12.428
230.00	15.3379	813.89	586.81	12.453
232.00	15.4724	819.68	590.61	12.478
234.00	15.6068	825.48	594.43	12.503
236.00	15.7412	831.30	598.25	12.527
238.00	15.8756	837.13	602.09	12.552
240.00	16.0099	842.97	605.95	12.577
242.00	16.1443	848.83	609.82	12.601
244.00	16.2786	854.71	613.70	12.625
246.00	16.4129	860.59	617.60	12.649
248.00	16.5471	866.49	621.52	12.673
250.00	16.6814	872.41	625.44	12.697
252.00	16.8156	878.34	629.38	12.721
254.00	16.9498	884.28	633.34	12.745
256.00	17.0841	890.23	637.30	12.768
258.00	17.2183	896.20	641.29	12.792
260.00	17.3524	902.18	645.28	12.815

80.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	17.4866	908.17	649.29	12.838	402.00	26.8481	1352.59	955.11	14.193
264.00	17.6208	914.18	653.31	12.861	404.00	26.9816	1359.20	959.75	14.209
266.00	17.7549	920.20	657.34	12.884	406.00	27.1151	1365.83	964.40	14.226
268.00	17.8890	926.23	661.39	12.907	408.00	27.2486	1372.46	969.05	14.242
270.00	18.0232	932.27	665.44	12.929	410.00	27.3821	1379.09	973.71	14.258
272.00	18.1572	938.32	669.51	12.952	412.00	27.5157	1385.73	978.37	14.274
274.00	18.2912	944.39	673.60	12.974	414.00	27.6492	1392.38	983.04	14.290
276.00	18.4252	950.47	677.69	12.996	416.00	27.7827	1399.03	987.71	14.306
278.00	18.5592	956.56	681.79	13.018	418.00	27.9162	1405.69	992.39	14.322
280.00	18.6932	962.66	685.91	13.040	420.00	28.0498	1412.35	997.08	14.338
282.00	18.8272	968.77	690.04	13.062	422.00	28.1833	1419.02	1001.77	14.354
284.00	18.9611	974.90	694.18	13.084	424.00	28.3168	1425.69	1006.46	14.370
286.00	19.0951	981.03	698.34	13.105	426.00	28.4503	1432.36	1011.16	14.386
288.00	19.2290	987.18	702.50	13.127	428.00	28.5838	1439.04	1015.86	14.401
290.00	19.3630	993.34	706.68	13.148	430.00	28.7172	1445.72	1020.57	14.417
292.00	19.4969	999.51	710.86	13.169	432.00	28.8507	1452.41	1025.28	14.432
294.00	19.6308	1005.69	715.06	13.190	434.00	28.9841	1459.10	1030.00	14.448
296.00	19.7647	1011.88	719.27	13.211	436.00	29.1175	1465.80	1034.72	14.463
298.00	19.8986	1018.08	723.49	13.232	438.00	29.2509	1472.49	1039.44	14.478
300.00	20.0325	1024.29	727.72	13.253	440.00	29.3842	1479.19	1044.17	14.494
302.00	20.1664	1030.52	731.96	13.273	442.00	29.5176	1485.90	1048.90	14.509
304.00	20.3003	1036.75	736.21	13.294	444.00	29.6509	1492.61	1053.63	14.524
306.00	20.4342	1042.99	740.47	13.314	446.00	29.7841	1499.32	1058.37	14.539
308.00	20.5680	1049.25	744.74	13.335	448.00	29.9174	1506.03	1063.11	14.554
310.00	20.7019	1055.51	749.03	13.355	450.00	30.0506	1512.75	1067.86	14.569
312.00	20.8356	1061.79	753.32	13.375	452.00	30.1838	1519.46	1072.60	14.584
314.00	20.9694	1068.07	757.62	13.395	454.00	30.3169	1526.19	1077.36	14.599
316.00	21.1032	1074.36	761.94	13.415	456.00	30.4500	1532.91	1082.11	14.614
318.00	21.2370	1080.67	766.26	13.435	458.00	30.5831	1539.64	1086.87	14.628
320.00	21.3707	1086.98	770.59	13.455	460.00	30.7162	1546.37	1091.63	14.643
322.00	21.5045	1093.30	774.93	13.475	462.00	30.8493	1553.10	1096.39	14.658
324.00	21.6382	1099.63	779.28	13.494	464.00	30.9823	1559.84	1101.16	14.672
326.00	21.7719	1105.97	783.64	13.514	466.00	31.1153	1566.57	1105.93	14.687
328.00	21.9056	1112.32	788.01	13.533	468.00	31.2483	1573.32	1110.70	14.701
330.00	22.0394	1118.68	792.39	13.552	470.00	31.3812	1580.06	1115.48	14.716
332.00	22.1731	1125.04	796.78	13.572	472.00	31.5142	1586.81	1120.26	14.730
334.00	22.3067	1131.42	801.17	13.591	474.00	31.6471	1593.56	1125.04	14.744
336.00	22.4404	1137.80	805.58	13.610	476.00	31.7800	1600.31	1129.82	14.758
338.00	22.5741	1144.20	809.99	13.629	478.00	31.9130	1607.07	1134.61	14.773
340.00	22.7078	1150.60	814.41	13.648	480.00	32.0459	1613.82	1139.40	14.787
342.00	22.8414	1157.00	818.84	13.667	482.00	32.1788	1620.59	1144.20	14.801
344.00	22.9751	1163.42	823.28	13.685	484.00	32.3117	1627.35	1149.00	14.815
346.00	23.1088	1169.85	827.73	13.704	486.00	32.4447	1634.12	1153.80	14.829
348.00	23.2424	1176.28	832.18	13.722	488.00	32.5776	1640.89	1158.60	14.843
350.00	23.3760	1182.72	836.65	13.741	490.00	32.7106	1647.67	1163.41	14.857
352.00	23.5097	1189.17	841.12	13.759	492.00	32.8436	1654.45	1168.22	14.870
354.00	23.6433	1195.62	845.59	13.778	494.00	32.9766	1661.23	1173.03	14.884
356.00	23.7769	1202.09	850.08	13.796	496.00	33.1097	1668.02	1177.85	14.898
358.00	23.9105	1208.56	854.57	13.814	498.00	33.2428	1674.81	1182.67	14.912
360.00	24.0441	1215.03	859.07	13.832	500.00	33.3759	1681.61	1187.49	14.925
362.00	24.1777	1221.52	863.58	13.850	502.00	33.5091	1688.41	1192.32	14.939
364.00	24.3112	1228.01	868.09	13.868	504.00	33.6424	1695.21	1197.15	14.952
366.00	24.4448	1234.5.	872.61	13.886	506.00	33.7756	1702.02	1201.98	14.966
368.00	24.5783	1241.01	877.14	13.903	508.00	33.9090	1708.83	1206.82	14.979
370.00	24.7119	1247.52	881.67	13.921	510.00	34.0424	1715.64	1211.66	14.993
372.00	24.8454	1254.04	886.21	13.938	512.00	34.1758	1722.46	1216.50	15.006
374.00	24.9789	1260.56	890.76	13.956	514.00	34.3093	1729.29	1221.35	15.019
376.00	25.1125	1267.10	895.32	13.973	516.00	34.4429	1736.12	1226.20	15.032
378.00	25.2460	1273.63	899.88	13.991	518.00	34.5765	1742.95	1231.05	15.046
380.00	25.3795	1280.18	904.45	14.008	520.00	34.7102	1749.78	1235.90	15.059
382.00	25.5130	1286.73	909.02	14.025	522.00	34.8440	1756.62	1240.76	15.072
384.00	25.6465	1293.29	913.60	14.042	524.00	34.9778	1763.46	1245.62	15.085
386.00	25.7800	1299.85	918.19	14.059	526.00	35.1116	1770.31	1250.49	15.098
388.00	25.9135	1306.42	922.78	14.076	528.00	35.2455	1777.16	1255.35	15.111
390.00	26.0471	1313.00	927.38	14.093	530.00	35.3795	1784.01	1260.22	15.124
392.00	26.1806	1319.58	931.99	14.110	532.00	35.5135	1790.87	1265.10	15.137
394.00	26.3141	1326.17	936.60	14.127	534.00	35.6475	1797.72	1269.97	15.149
396.00	26.4476	1332.77	941.22	14.143	536.00	35.7815	1804.58	1274.85	15.162
398.00	26.5811	1339.37	945.84	14.160	538.00	35.9156	1811.44	1279.73	15.175
400.00	26.7146	1345.97	950.47	14.177	540.00	36.0496	1818.31	1284.61	15.188

90.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
					122.00	7.0922	519.55	401.43	10.621
					124.00	7.2165	524.80	404.60	10.663
					126.00	7.3406	530.04	407.78	10.705
					128.00	7.4643	535.28	410.96	10.746
					130.00	7.5878	540.51	414.14	10.787
					132.00	7.7112	545.75	417.32	10.827
					134.00	7.8344	550.99	420.51	10.866
					136.00	7.9574	556.24	423.70	10.905
					138.00	8.0803	561.48	426.90	10.943
					140.00	8.2031	566.73	430.10	10.981
					142.00	8.3258	571.98	433.31	11.018
					144.00	8.4483	577.24	436.53	11.055
					146.00	8.5706	582.50	439.75	11.092
					148.00	8.6927	587.77	442.99	11.127
					150.00	8.8148	593.04	446.23	11.163
					152.00	8.9367	598.33	449.48	11.198
					154.00	9.0585	603.62	452.75	11.232
					156.00	9.1803	608.92	456.02	11.267
					158.00	9.3019	614.23	459.30	11.300
					160.00	9.4235	619.55	462.60	11.334
					162.00	9.5449	624.88	465.91	11.367
					164.00	9.6662	630.22	469.23	11.400
					166.00	9.7875	635.57	472.56	11.432
					168.00	9.9086	640.93	475.90	11.464
					170.00	10.0297	646.31	479.26	11.496
					172.00	10.1507	651.70	482.63	11.527
					174.00	10.2716	657.09	486.02	11.559
					176.00	10.3925	662.51	489.42	11.590
					178.00	10.5133	667.93	492.83	11.620
					180.00	10.6340	673.37	496.25	11.651
					182.00	10.7547	678.81	499.69	11.681
					184.00	10.8752	684.28	503.15	11.711
					186.00	10.9957	689.75	506.61	11.740
					188.00	11.1162	695.24	510.09	11.770
51.14	2.0940	311.91	277.02	7.985	190.00	11.2366	700.74	513.59	11.799
52.00	2.1910	315.90	279.40	8.063	192.00	11.3569	706.26	517.10	11.828
54.00	2.3987	324.55	284.60	8.226	194.00	11.4772	711.78	520.62	11.856
56.00	2.5869	332.42	289.34	8.369	196.00	11.5975	717.33	524.16	11.885
58.00	2.7626	339.73	293.72	8.497	198.00	11.7177	722.88	527.71	11.913
60.00	2.9301	346.66	297.86	8.615	200.00	11.8379	728.45	531.28	11.941
62.00	3.0917	353.34	301.85	8.724	202.00	11.9580	734.03	534.86	11.968
64.00	3.2482	359.84	305.75	8.827	204.00	12.0781	739.63	538.45	11.996
66.00	3.4001	366.18	309.56	8.924	206.00	12.1982	745.24	542.06	12.023
68.00	3.5480	372.37	313.28	9.016	208.00	12.3183	750.86	545.69	12.050
70.00	3.6927	378.41	316.90	9.104	210.00	12.4383	756.50	549.33	12.077
72.00	3.8354	384.31	320.42	9.187	212.00	12.5584	762.15	552.98	12.104
74.00	3.9771	390.10	323.84	9.267	214.00	12.6784	767.82	556.65	12.130
76.00	4.1175	395.79	327.21	9.343	216.00	12.7984	773.50	560.33	12.156
78.00	4.2553	401.46	330.59	9.417	218.00	12.9184	779.19	564.02	12.182
80.00	4.3918	407.10	333.95	9.489	220.00	13.0384	784.90	567.73	12.208
82.00	4.5273	412.72	337.31	9.558	222.00	13.1583	790.62	571.46	12.234
84.00	4.6615	418.29	340.65	9.625	224.00	13.2783	796.35	575.20	12.259
86.00	4.7947	423.81	343.96	9.690	226.00	13.3981	802.11	578.95	12.285
88.00	4.9270	429.30	347.23	9.753	228.00	13.5178	807.87	582.73	12.310
90.00	5.0586	434.74	350.48	9.814	230.00	13.6375	813.65	586.51	12.335
92.00	5.1892	440.16	353.73	9.873	232.00	13.7572	819.45	590.31	12.360
94.00	5.3192	445.55	356.95	9.931	234.00	13.8768	825.25	594.13	12.385
96.00	5.4484	450.92	360.16	9.987	236.00	13.9965	831.08	597.96	12.410
98.00	5.5772	456.26	363.36	10.042	238.00	14.1160	836.91	601.80	12.435
100.00	5.7054	461.59	366.55	10.096	240.00	14.2356	842.76	605.66	12.459
102.00	5.8333	466.90	369.74	10.149	242.00	14.3551	848.63	609.54	12.484
104.00	5.9609	472.21	372.91	10.201	244.00	14.4747	854.51	613.42	12.508
106.00	6.0882	477.50	376.09	10.251	246.00	14.5942	860.40	617.32	12.532
108.00	6.2152	482.78	379.26	10.301	248.00	14.7137	866.30	621.24	12.556
110.00	6.3414	488.05	382.43	10.349	250.00	14.8331	872.22	625.17	12.580
112.00	6.4672	493.31	385.59	10.397	252.00	14.9526	878.16	629.11	12.604
114.00	6.5927	498.56	388.76	10.443	254.00	15.0720	884.10	633.07	12.628
116.00	6.7179	503.81	391.92	10.489	256.00	15.1914	890.06	637.04	12.651
118.00	6.8429	509.06	395.09	10.534	258.00	15.3108	896.03	641.02	12.674
120.00	6.9676	514.31	398.26	10.578	260.00	15.4302	902.02	645.02	12.698

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	15.5496	908.01	649.03	12.721	402.00	23.8759	1352.62	954.97	14.077
264.00	15.6690	914.02	653.05	12.744	404.00	23.9946	1359.24	959.61	14.093
266.00	15.7883	920.05	657.09	12.767	406.00	24.1133	1365.87	964.26	14.109
268.00	15.9077	926.08	661.14	12.790	408.00	24.2320	1372.50	968.91	14.126
270.00	16.0270	932.13	665.20	12.812	410.00	24.3507	1379.13	973.57	14.142
272.00	16.1462	938.19	669.27	12.835	412.00	24.4694	1385.78	978.23	14.158
274.00	16.2654	944.26	673.35	12.857	414.00	24.5882	1392.42	982.90	14.174
276.00	16.3847	950.34	677.45	12.879	416.00	24.7069	1399.08	987.58	14.190
278.00	16.5039	956.43	681.56	12.901	418.00	24.8256	1405.74	992.26	14.206
280.00	16.6231	962.54	685.68	12.923	420.00	24.9444	1412.40	996.95	14.222
282.00	16.7422	968.66	689.81	12.945	422.00	25.0631	1419.07	1001.64	14.238
284.00	16.8614	974.78	693.95	12.967	424.00	25.1818	1425.74	1006.33	14.254
286.00	16.9806	980.92	698.11	12.988	426.00	25.3005	1432.42	1011.03	14.269
288.00	17.0997	987.07	702.27	13.010	428.00	25.4192	1439.10	1015.74	14.285
290.00	17.2189	993.24	706.45	13.031	430.00	25.5379	1445.79	1020.44	14.300
292.00	17.3380	999.41	710.64	13.052	432.00	25.6565	1452.47	1025.16	14.316
294.00	17.4571	1005.59	714.84	13.073	434.00	25.7751	1459.17	1029.87	14.331
296.00	17.5763	1011.79	719.05	13.094	436.00	25.8937	1465.86	1034.59	14.347
298.00	17.6954	1017.99	723.27	13.115	438.00	26.0123	1472.56	1039.32	14.362
300.00	17.8145	1024.21	727.50	13.136	440.00	26.1309	1479.26	1044.05	14.377
302.00	17.9336	1030.43	731.74	13.157	442.00	26.2494	1485.97	1048.78	14.393
304.00	18.0527	1036.67	736.00	13.177	444.00	26.3680	1492.68	1053.51	14.408
306.00	18.1718	1042.92	740.26	13.198	446.00	26.4865	1499.39	1058.25	14.423
308.00	18.2908	1049.17	744.54	13.218	448.00	26.6049	1506.11	1062.99	14.438
310.00	18.4098	1055.44	748.82	13.238	450.00	26.7234	1512.82	1067.74	14.453
312.00	18.5289	1061.72	753.11	13.258	452.00	26.8418	1519.54	1072.49	14.468
314.00	18.6478	1068.00	757.42	13.279	454.00	26.9602	1526.27	1077.24	14.482
316.00	18.7668	1074.30	761.73	13.299	456.00	27.0786	1532.99	1082.00	14.497
318.00	18.8858	1080.61	766.06	13.318	458.00	27.1969	1539.72	1086.75	14.512
320.00	19.0048	1086.92	770.39	13.338	460.00	27.3152	1546.45	1091.52	14.527
322.00	19.1237	1093.25	774.74	13.358	462.00	27.4335	1553.19	1096.28	14.541
324.00	19.2427	1099.58	779.09	13.378	464.00	27.5518	1559.92	1101.05	14.556
326.00	19.3616	1105.92	783.45	13.397	466.00	27.6701	1566.66	1105.82	14.570
328.00	19.4805	1112.28	787.82	13.416	468.00	27.7883	1573.41	1110.59	14.585
330.00	19.5995	1118.64	792.20	13.436	470.00	27.9065	1580.15	1115.37	14.599
332.00	19.7184	1125.01	796.59	13.455	472.00	28.0247	1586.90	1120.15	14.614
334.00	19.8373	1131.38	800.99	13.474	474.00	28.1429	1593.65	1124.93	14.628
336.00	19.9562	1137.77	805.39	13.493	476.00	28.2611	1600.41	1129.72	14.642
338.00	20.0751	1144.16	809.81	13.512	478.00	28.3793	1607.16	1134.51	14.656
340.00	20.1940	1150.57	814.23	13.531	480.00	28.4975	1613.92	1139.30	14.670
342.00	20.3128	1156.98	818.66	13.550	482.00	28.6157	1620.69	1144.10	14.685
344.00	20.4317	1163.40	823.10	13.569	484.00	28.7339	1627.46	1148.89	14.699
346.00	20.5506	1169.83	827.55	13.587	486.00	28.8521	1634.23	1153.70	14.713
348.00	20.6694	1176.26	832.01	13.606	488.00	28.9703	1641.00	1158.50	14.727
350.00	20.7883	1182.70	836.47	13.624	490.00	29.0886	1647.78	1163.31	14.740
352.00	20.9071	1189.15	840.94	13.643	492.00	29.2068	1654.56	1168.12	14.754
354.00	21.0260	1195.61	845.42	13.661	494.00	29.3251	1661.34	1172.93	14.768
356.00	21.1448	1202.08	849.91	13.679	496.00	29.4434	1668.13	1177.75	14.782
358.00	21.2636	1208.55	854.40	13.697	498.00	29.5617	1674.92	1182.57	14.795
360.00	21.3824	1215.03	858.90	13.715	500.00	29.6801	1681.72	1187.39	14.809
362.00	21.5012	1221.51	863.41	13.733	502.00	29.7985	1688.52	1192.22	14.823
364.00	21.6200	1228.01	867.92	13.751	504.00	29.9169	1695.32	1197.05	14.836
366.00	21.7387	1234.51	872.45	13.769	506.00	30.0354	1702.13	1201.89	14.850
368.00	21.8575	1241.01	876.97	13.787	508.00	30.1540	1708.94	1206.72	14.863
370.00	21.9762	1247.53	881.51	13.804	510.00	30.2726	1715.76	1211.56	14.876
372.00	22.0950	1254.05	886.05	13.822	512.00	30.3912	1722.58	1216.41	14.890
374.00	22.2137	1260.57	890.60	13.840	514.00	30.5099	1729.41	1221.25	14.903
376.00	22.3325	1267.11	895.16	13.857	516.00	30.6286	1736.23	1226.10	14.916
378.00	22.4512	1273.65	899.72	13.874	518.00	30.7474	1743.07	1230.95	14.929
380.00	22.5699	1280.19	904.29	13.892	520.00	30.8663	1749.90	1235.81	14.943
382.00	22.6887	1286.75	908.87	13.909	522.00	30.9852	1756.74	1240.67	14.956
384.00	22.8074	1293.31	913.45	13.926	524.00	31.1041	1763.58	1245.53	14.969
386.00	22.9261	1299.87	918.04	13.943	526.00	31.2231	1770.43	1250.40	14.982
388.00	23.0448	1306.45	922.63	13.960	528.00	31.3422	1777.28	1255.26	14.995
390.00	23.1636	1313.02	927.23	13.977	530.00	31.4612	1784.13	1260.13	15.008
392.00	23.2823	1319.61	931.84	13.994	532.00	31.5803	1790.99	1265.01	15.020
394.00	23.4010	1326.20	936.45	14.010	534.00	31.6995	1797.85	1269.88	15.033
396.00	23.5197	1332.80	941.07	14.027	536.00	31.8186	1804.71	1274.76	15.046
398.00	23.6385	1339.40	945.70	14.044	538.00	31.9378	1811.57	1279.64	15.059
400.00	23.7572	1346.01	950.33	14.060	540.00	32.0569	1818.43	1284.52	15.072

100.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
52.24	1.8595	310.17	275.74	7.881
54.00	2.0466	318.85	280.97	8.045
56.00	2.2338	327.59	286.26	8.203
58.00	2.4037	335.50	291.02	8.342
60.00	2.5632	342.88	295.44	8.467
62.00	2.7159	349.90	299.65	8.582
64.00	2.8629	356.68	303.72	8.690
66.00	3.0045	363.27	307.68	8.790
68.00	3.1414	369.66	311.53	8.885
70.00	3.2747	375.88	315.26	8.975
72.00	3.4059	381.93	318.86	9.061
74.00	3.5365	387.83	322.36	9.142
76.00	3.6662	393.64	325.79	9.221
78.00	3.7923	399.41	329.22	9.296
80.00	3.9172	405.15	332.65	9.369
82.00	4.0413	410.86	336.07	9.439
84.00	4.1641	416.52	339.46	9.507
86.00	4.2855	422.12	342.81	9.573
88.00	4.4061	427.67	346.13	9.636
90.00	4.5262	433.18	349.42	9.698
92.00	4.6450	438.66	352.69	9.758
94.00	4.7632	444.11	355.95	9.816
96.00	4.8807	449.53	359.19	9.873
98.00	4.9976	454.92	362.42	9.929
100.00	5.1141	460.30	365.64	9.983
102.00	5.2302	465.65	368.85	10.037
104.00	5.3460	470.99	372.05	10.089
106.00	5.4615	476.33	375.25	10.140
108.00	5.5768	481.65	378.44	10.190
110.00	5.6911	486.95	381.63	10.238
112.00	5.8051	492.24	384.81	10.286
114.00	5.9187	497.53	387.99	10.333
116.00	6.0321	502.81	391.18	10.379
118.00	6.1452	508.09	394.36	10.424
120.00	6.2582	513.37	397.55	10.468
122.00	6.3709	518.64	400.74	10.511
124.00	6.4834	523.91	403.93	10.554
126.00	6.5958	529.18	407.12	10.596
128.00	6.7077	534.44	410.31	10.637
130.00	6.8193	539.71	413.50	10.678
132.00	6.9308	544.97	416.70	10.718
134.00	7.0422	550.23	419.90	10.758
136.00	7.1534	555.49	423.11	10.797
138.00	7.2645	560.76	426.32	10.835
140.00	7.3754	566.02	429.53	10.873
142.00	7.4862	571.29	432.75	10.911
144.00	7.5970	576.57	435.98	10.948
146.00	7.7074	581.85	439.22	10.984
148.00	7.8177	587.13	442.46	11.020
150.00	7.9279	592.43	445.71	11.056
152.00	8.0380	597.73	448.97	11.091
154.00	8.1480	603.03	452.25	11.125
156.00	8.2579	608.35	455.53	11.160
158.00	8.3677	613.67	458.82	11.193
160.00	8.4774	619.01	462.12	11.227
162.00	8.5871	624.35	465.44	11.260
164.00	8.6966	629.70	468.77	11.293
166.00	8.8060	635.07	472.10	11.325
168.00	8.9153	640.44	475.46	11.358
170.00	9.0245	645.83	478.82	11.389
172.00	9.1337	651.23	482.20	11.421
174.00	9.2428	656.64	485.59	11.452
176.00	9.3518	662.06	488.99	11.483
178.00	9.4608	667.49	492.41	11.514
180.00	9.5697	672.94	495.85	11.545
182.00	9.6785	678.40	499.29	11.575
184.00	9.7872	683.87	502.75	11.605
186.00	9.8959	689.36	506.22	11.635
188.00	10.0045	694.85	509.71	11.664
190.00	10.1131	700.36	513.21	11.693
192.00	10.2216	705.89	516.73	11.722
194.00	10.3301	711.42	520.25	11.751
196.00	10.4385	716.97	523.80	11.779
198.00	10.5469	722.54	527.35	11.807
200.00	10.6552	728.12	530.93	11.835
202.00	10.7635	733.71	534.51	11.863
204.00	10.8718	739.31	538.11	11.890
206.00	10.9801	744.93	541.72	11.918
208.00	11.0883	750.56	545.35	11.945
210.00	11.1965	756.20	548.99	11.972
212.00	11.3047	761.86	552.65	11.998
214.00	11.4129	767.53	556.32	12.025
216.00	11.5210	773.22	560.01	12.051
218.00	11.6292	778.92	563.71	12.077
220.00	11.7373	784.63	567.42	12.103
222.00	11.8454	790.36	571.15	12.129
224.00	11.9535	796.10	574.89	12.154
226.00	12.0615	801.86	578.65	12.180
228.00	12.1694	807.63	582.42	12.205
230.00	12.2773	813.42	586.21	12.230
232.00	12.3851	819.22	590.02	12.255
234.00	12.4929	825.03	593.84	12.280
236.00	12.6007	830.86	597.67	12.305
238.00	12.7084	836.70	601.52	12.330
240.00	12.8162	842.56	605.38	12.354
242.00	12.9239	848.43	609.25	12.379
244.00	13.0316	854.31	613.14	12.403
246.00	13.1392	860.20	617.05	12.427
248.00	13.2469	866.11	620.97	12.451
250.00	13.3545	872.04	624.90	12.475
252.00	13.4621	877.98	628.84	12.499
254.00	13.5697	883.93	632.80	12.523
256.00	13.6773	889.89	636.77	12.546
258.00	13.7849	895.86	640.75	12.570
260.00	13.8925	901.85	644.76	12.593

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	14.0000	907.86	648.77	12.616	402.00	21.4981	1352.66	954.82	13.973
264.00	14.1075	913.87	652.80	12.639	404.00	21.6050	1359.28	959.47	13.989
266.00	14.2151	919.90	656.83	12.662	406.00	21.7119	1365.91	964.12	14.005
268.00	14.3226	925.94	660.88	12.685	408.00	21.8188	1372.54	968.77	14.022
270.00	14.4301	931.99	664.95	12.708	410.00	21.9256	1379.18	973.43	14.038
272.00	14.5375	938.05	669.02	12.730	412.00	22.0325	1385.82	978.09	14.054
274.00	14.6449	944.12	673.11	12.752	414.00	22.1394	1392.47	982.77	14.070
276.00	14.7523	950.21	677.21	12.775	416.00	22.2463	1399.13	987.44	14.086
278.00	14.8596	956.31	681.32	12.797	418.00	22.3532	1405.79	992.12	14.102
280.00	14.9670	962.42	685.44	12.819	420.00	22.4601	1412.45	996.81	14.118
282.00	15.0744	968.54	689.57	12.840	422.00	22.5669	1419.12	1001.50	14.134
284.00	15.1817	974.67	693.72	12.862	424.00	22.6738	1425.80	1006.20	14.149
286.00	15.2890	980.81	697.87	12.884	426.00	22.7807	1432.48	1010.90	14.165
288.00	15.3963	986.97	702.04	12.905	428.00	22.8875	1439.16	1015.61	14.181
290.00	15.5037	993.13	706.22	12.926	430.00	22.9943	1445.85	1020.31	14.196
292.00	15.6110	999.31	710.41	12.948	432.00	23.1012	1452.54	1025.03	14.212
294.00	15.7183	1005.50	714.61	12.969	434.00	23.2080	1459.23	1029.75	14.227
296.00	15.8256	1011.69	718.83	12.990	436.00	23.3147	1465.93	1034.47	14.243
298.00	15.9328	1017.90	723.05	13.011	438.00	23.4215	1472.63	1039.19	14.258
300.00	16.0401	1024.12	727.28	13.031	440.00	23.5282	1479.33	1043.92	14.273
302.00	16.1474	1030.35	731.53	13.052	442.00	23.6350	1486.04	1048.65	14.288
304.00	16.2546	1036.59	735.78	13.073	444.00	23.7417	1492.75	1053.39	14.304
306.00	16.3619	1042.84	740.05	13.093	446.00	23.8483	1499.46	1058.13	14.319
308.00	16.4691	1049.10	744.33	13.114	448.00	23.9550	1506.18	1062.87	14.334
310.00	16.5763	1055.37	748.61	13.134	450.00	24.0616	1512.90	1067.62	14.349
312.00	16.6835	1061.65	752.91	13.154	452.00	24.1682	1519.62	1072.37	14.364
314.00	16.7906	1067.94	757.22	13.174	454.00	24.2748	1526.35	1077.12	14.378
316.00	16.8978	1074.24	761.53	13.194	456.00	24.3814	1533.07	1081.88	14.393
318.00	17.0049	1080.55	765.86	13.214	458.00	24.4879	1539.81	1086.64	14.408
320.00	17.1121	1086.87	770.19	13.234	460.00	24.5944	1546.54	1091.40	14.423
322.00	17.2192	1093.19	774.54	13.254	462.00	24.7009	1553.27	1096.17	14.437
324.00	17.3263	1099.53	778.89	13.273	464.00	24.8074	1560.01	1100.93	14.452
326.00	17.4334	1105.88	783.26	13.293	466.00	24.9139	1566.75	1105.71	14.466
328.00	17.5405	1112.23	787.63	13.312	468.00	25.0203	1573.50	1110.48	14.481
330.00	17.6476	1118.59	792.01	13.331	470.00	25.1268	1580.25	1115.25	14.495
332.00	17.7547	1124.97	796.40	13.351	472.00	25.2332	1587.00	1120.04	14.510
334.00	17.8617	1131.35	800.80	13.370	474.00	25.3396	1593.75	1124.82	14.524
336.00	17.9688	1137.74	805.21	13.389	476.00	25.4460	1600.50	1129.61	14.538
338.00	18.0759	1144.13	809.62	13.408	478.00	25.5524	1607.26	1134.40	14.552
340.00	18.1829	1150.54	814.05	13.427	480.00	25.6588	1614.03	1139.19	14.566
342.00	18.2900	1156.95	818.48	13.446	482.00	25.7652	1620.79	1143.99	14.581
344.00	18.3970	1163.38	822.92	13.464	484.00	25.8716	1627.56	1148.79	14.595
346.00	18.5040	1169.80	827.37	13.483	486.00	25.9780	1634.33	1153.59	14.609
348.00	18.6111	1176.24	831.83	13.502	488.00	26.0844	1641.11	1158.40	14.623
350.00	18.7181	1182.69	836.29	13.520	490.00	26.1909	1647.88	1163.21	14.636
352.00	18.8251	1189.14	840.77	13.538	492.00	26.2973	1654.67	1168.02	14.650
354.00	18.9321	1195.60	845.25	13.557	494.00	26.4038	1661.45	1172.83	14.664
356.00	19.0391	1202.07	849.73	13.575	496.00	26.5103	1668.24	1177.65	14.678
358.00	19.1461	1208.54	854.23	13.593	498.00	26.6168	1675.04	1182.47	14.691
360.00	19.2531	1215.03	858.73	13.611	500.00	26.7234	1681.83	1187.30	14.705
362.00	19.3600	1221.51	863.24	13.629	502.00	26.8300	1688.63	1192.12	14.719
364.00	19.4670	1228.01	867.76	13.647	504.00	26.9366	1695.44	1196.95	14.732
366.00	19.5739	1234.51	872.28	13.665	506.00	27.0433	1702.25	1201.79	14.746
368.00	19.6808	1241.02	876.81	13.683	508.00	27.1500	1709.06	1206.63	14.759
370.00	19.7878	1247.53	881.35	13.700	510.00	27.2567	1715.88	1211.47	14.772
372.00	19.8947	1254.06	885.89	13.718	512.00	27.3635	1722.70	1216.31	14.786
374.00	20.0016	1260.59	890.44	13.735	514.00	27.4704	1729.52	1221.16	14.799
376.00	20.1085	1267.12	895.00	13.753	516.00	27.5773	1736.35	1226.01	14.812
378.00	20.2154	1273.66	899.56	13.770	518.00	27.6842	1743.19	1230.86	14.825
380.00	20.3223	1280.21	904.13	13.787	520.00	27.7912	1750.02	1235.72	14.839
382.00	20.4292	1286.77	908.71	13.805	522.00	27.8982	1756.86	1240.58	14.852
384.00	20.5361	1293.33	913.30	13.822	524.00	28.0052	1763.70	1245.44	14.865
386.00	20.6430	1299.90	917.88	13.839	526.00	28.1123	1770.55	1250.30	14.878
388.00	20.7499	1306.47	922.48	13.856	528.00	28.2195	1777.40	1255.17	14.891
390.00	20.8568	1313.05	927.08	13.873	530.00	28.3267	1784.25	1260.04	14.904
392.00	20.9637	1319.64	931.69	13.889	532.00	28.4339	1791.11	1264.92	14.916
394.00	21.0706	1326.23	936.31	13.906	534.00	28.5411	1797.97	1269.79	14.929
396.00	21.1775	1332.83	940.93	13.923	536.00	28.6483	1804.83	1274.67	14.942
398.00	21.2844	1339.43	945.55	13.939	538.00	28.7556	1811.69	1279.55	14.955
400.00	21.3912	1346.04	950.18	13.956	540.00	28.8628	1818.56	1284.43	14.968

120.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
54.22	1.4949	305.73	272.52	7.681
56.00	1.6752	316.17	278.92	7.870
58.00	1.8508	325.97	284.87	8.043
60.00	2.0044	334.59	290.09	8.190
62.00	2.1440	342.52	294.90	8.319
64.00	2.2760	350.01	299.43	8.437
66.00	2.4037	357.16	303.74	8.546
68.00	2.5280	364.01	307.86	8.648
70.00	2.6488	370.60	311.80	8.744
72.00	2.7656	376.97	315.59	8.834
74.00	2.8784	383.16	319.27	8.920
76.00	2.9881	389.23	322.87	9.002
78.00	3.0959	395.22	326.43	9.080
80.00	3.2033	401.16	329.97	9.155
82.00	3.3113	407.07	333.51	9.228
84.00	3.4175	412.91	337.01	9.298
86.00	3.5214	418.68	340.47	9.366
88.00	3.6245	424.39	343.89	9.431
90.00	3.7274	430.04	347.27	9.494
92.00	3.8287	435.66	350.63	9.556
94.00	3.9292	441.23	353.96	9.616
96.00	4.0289	446.76	357.27	9.674
98.00	4.1281	452.26	360.56	9.730
100.00	4.2268	457.73	363.83	9.786
102.00	4.3252	463.17	367.09	9.840
104.00	4.4234	468.59	370.33	9.893
106.00	4.5214	473.99	373.57	9.944
108.00	4.6194	479.38	376.80	9.995
110.00	4.7159	484.75	380.02	10.044
112.00	4.8121	490.10	383.23	10.093
114.00	4.9079	495.45	386.45	10.140
116.00	5.0035	500.80	389.67	10.186
118.00	5.0989	506.14	392.89	10.232
120.00	5.1941	511.47	396.11	10.277
122.00	5.2891	516.80	399.34	10.321
124.00	5.3840	522.13	402.56	10.364
126.00	5.4788	527.46	405.79	10.406
128.00	5.5729	532.78	409.02	10.448
130.00	5.6668	538.09	412.24	10.489
132.00	5.7606	543.40	415.47	10.530
134.00	5.8541	548.70	418.69	10.569
136.00	5.9476	554.01	421.92	10.609
138.00	6.0409	559.32	425.15	10.648
140.00	6.1341	564.62	428.40	10.686
142.00	6.2272	569.93	431.64	10.723
144.00	6.3202	575.24	434.89	10.761
146.00	6.4129	580.55	438.14	10.797
148.00	6.5054	585.87	441.41	10.834
150.00	6.5979	591.20	444.68	10.869
152.00	6.6902	596.53	447.96	10.905
154.00	6.7824	601.87	451.25	10.939
156.00	6.8746	607.21	454.54	10.974
158.00	6.9666	612.56	457.85	11.008
160.00	7.0586	617.92	461.17	11.041
162.00	7.1505	623.29	464.50	11.075
164.00	7.2423	628.67	467.84	11.108
166.00	7.3339	634.06	471.19	11.140
168.00	7.4255	639.46	474.56	11.173
170.00	7.5170	644.87	477.94	11.205
172.00	7.6085	650.29	481.33	11.237
174.00	7.6999	655.72	484.73	11.268
176.00	7.7913	661.17	488.15	11.299
178.00	7.8826	666.62	491.58	11.330
180.00	7.9738	672.09	495.02	11.361
182.00	8.0650	677.57	498.48	11.391
184.00	8.1560	683.07	501.95	11.421
186.00	8.2470	688.57	505.43	11.451
188.00	8.3380	694.09	508.93	11.480
190.00	8.4288	699.62	512.44	11.510
192.00	8.5197	705.16	515.96	11.539
194.00	8.6104	710.71	519.50	11.567
196.00	8.7011	716.28	523.05	11.596
198.00	8.7918	721.86	526.62	11.624
200.00	8.8824	727.46	530.20	11.652
202.00	8.9729	733.06	533.80	11.680
204.00	9.0634	738.68	537.40	11.708
206.00	9.1539	744.31	541.03	11.735
208.00	9.2443	749.96	544.66	11.762
210.00	9.3347	755.62	548.32	11.789
212.00	9.4251	761.29	551.98	11.816
214.00	9.5154	766.97	555.66	11.842
216.00	9.6057	772.67	559.35	11.868
218.00	9.6960	778.38	563.06	11.895
220.00	9.7862	784.11	566.78	11.921
222.00	9.8764	789.85	570.52	11.946
224.00	9.9666	795.60	574.27	11.972
226.00	10.0567	801.37	578.04	11.997
228.00	10.1468	807.15	581.82	12.023
230.00	10.2368	812.95	585.62	12.048
232.00	10.3268	818.76	589.43	12.073
234.00	10.4168	824.58	593.25	12.098
236.00	10.5068	830.42	597.09	12.123
238.00	10.5967	836.27	600.94	12.148
240.00	10.6866	842.14	604.81	12.172
242.00	10.7766	848.02	608.69	12.197
244.00	10.8665	853.91	612.59	12.221
246.00	10.9564	859.82	616.50	12.245
248.00	11.0463	865.74	620.42	12.269
250.00	11.1362	871.67	624.36	12.293
252.00	11.2261	877.62	628.31	12.317
254.00	11.3159	883.57	632.27	12.341
256.00	11.4058	889.55	636.25	12.365
258.00	11.4957	895.53	640.24	12.388
260.00	11.5856	901.53	644.24	12.411

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	11.6754	907.54	648.26	12.435	402.00	17.9315	1352.74	954.53	13.792
264.00	11.7653	913.56	652.29	12.458	404.00	18.0206	1359.36	959.18	13.809
266.00	11.8551	919.60	656.33	12.481	406.00	18.1097	1365.99	963.83	13.825
268.00	11.9450	925.65	660.38	12.503	408.00	18.1989	1372.63	968.49	13.841
270.00	12.0348	931.71	664.45	12.526	410.00	18.2880	1379.27	973.15	13.857
272.00	12.1245	937.78	668.53	12.549	412.00	18.3771	1385.92	977.82	13.874
274.00	12.2142	943.86	672.62	12.571	414.00	18.4662	1392.57	982.49	13.890
276.00	12.3038	949.95	676.72	12.593	416.00	18.5554	1399.23	987.17	13.906
278.00	12.3935	956.06	680.84	12.615	418.00	18.6445	1405.89	991.85	13.922
280.00	12.4831	962.17	684.96	12.637	420.00	18.7336	1412.56	996.54	13.938
282.00	12.5727	968.30	689.10	12.659	422.00	18.8227	1419.23	1001.24	13.953
284.00	12.6623	974.44	693.25	12.681	424.00	18.9119	1425.91	1005.94	13.969
286.00	12.7519	980.59	697.41	12.702	426.00	19.0010	1432.59	1010.64	13.985
288.00	12.8415	986.75	701.58	12.724	428.00	19.0901	1439.28	1015.35	14.001
290.00	12.9310	992.93	705.77	12.745	430.00	19.1791	1445.97	1020.06	14.016
292.00	13.0206	999.11	709.96	12.767	432.00	19.2682	1452.66	1024.77	14.032
294.00	13.1101	1005.31	714.17	12.788	434.00	19.3572	1459.36	1029.49	14.047
296.00	13.1996	1011.51	718.39	12.809	436.00	19.4463	1466.06	1034.22	14.062
298.00	13.2892	1017.73	722.61	12.830	438.00	19.5353	1472.76	1038.94	14.078
300.00	13.3787	1023.95	726.85	12.850	440.00	19.6243	1479.47	1043.67	14.093
302.00	13.4682	1030.19	731.10	12.871	442.00	19.7133	1486.18	1048.41	14.108
304.00	13.5577	1036.43	735.36	12.892	444.00	19.8023	1492.90	1053.15	14.123
306.00	13.6471	1042.69	739.63	12.912	446.00	19.8912	1499.61	1057.89	14.139
308.00	13.7366	1048.96	743.91	12.933	448.00	19.9801	1506.33	1062.63	14.154
310.00	13.8260	1055.23	748.20	12.953	450.00	20.0690	1513.05	1067.38	14.169
312.00	13.9154	1061.52	752.50	12.973	452.00	20.1579	1519.78	1072.13	14.183
314.00	14.0048	1067.82	756.81	12.993	454.00	20.2468	1526.51	1076.89	14.198
316.00	14.0942	1074.12	761.13	13.013	456.00	20.3357	1533.24	1081.65	14.213
318.00	14.1836	1080.44	765.46	13.033	458.00	20.4245	1539.97	1086.41	14.228
320.00	14.2730	1086.76	769.80	13.053	460.00	20.5133	1546.71	1091.17	14.243
322.00	14.3624	1093.09	774.15	13.073	462.00	20.6021	1553.45	1095.94	14.257
324.00	14.4517	1099.44	778.50	13.092	464.00	20.6909	1560.19	1100.71	14.272
326.00	14.5411	1105.79	782.87	13.112	466.00	20.7797	1566.93	1105.48	14.286
328.00	14.6304	1112.15	787.25	13.131	468.00	20.8684	1573.68	1110.26	14.301
330.00	14.7198	1118.52	791.63	13.151	470.00	20.9572	1580.43	1115.04	14.315
332.00	14.8091	1124.89	796.03	13.170	472.00	21.0459	1587.18	1119.82	14.330
334.00	14.8984	1131.28	800.43	13.189	474.00	21.1346	1593.94	1124.61	14.344
336.00	14.9878	1137.67	804.84	13.208	476.00	21.2234	1600.70	1129.40	14.358
338.00	15.0771	1144.08	809.26	13.227	478.00	21.3121	1607.46	1134.19	14.372
340.00	15.1664	1150.49	813.69	13.246	480.00	21.4008	1614.22	1138.98	14.386
342.00	15.2557	1156.90	818.12	13.265	482.00	21.4895	1620.99	1143.78	14.401
344.00	15.3450	1163.33	822.56	13.284	484.00	21.5782	1627.76	1148.58	14.415
346.00	15.4343	1169.77	827.02	13.302	486.00	21.6669	1634.54	1153.39	14.429
348.00	15.5235	1176.21	831.48	13.321	488.00	21.7557	1641.32	1158.19	14.443
350.00	15.6128	1182.66	835.94	13.339	490.00	21.8444	1648.10	1163.00	14.456
352.00	15.7021	1189.12	840.42	13.358	492.00	21.9332	1654.88	1167.82	14.470
354.00	15.7913	1195.58	844.90	13.376	494.00	22.0219	1661.67	1172.63	14.484
356.00	15.8806	1202.05	849.39	13.394	496.00	22.1107	1668.46	1177.45	14.498
358.00	15.9698	1208.53	853.89	13.413	498.00	22.1995	1675.26	1182.28	14.511
360.00	16.0591	1215.02	858.40	13.431	500.00	22.2884	1682.06	1187.10	14.525
362.00	16.1483	1221.51	862.91	13.449	502.00	22.3772	1688.86	1191.93	14.539
364.00	16.2375	1228.01	867.43	13.467	504.00	22.4661	1695.67	1196.76	14.552
366.00	16.3267	1234.52	871.95	13.484	506.00	22.5550	1702.48	1201.60	14.566
368.00	16.4159	1241.03	876.48	13.502	508.00	22.6440	1709.29	1206.44	14.579
370.00	16.5051	1247.55	881.02	13.520	510.00	22.7330	1716.11	1211.28	14.592
372.00	16.5942	1254.07	885.57	13.537	512.00	22.8220	1722.93	1216.12	14.606
374.00	16.6834	1260.61	890.12	13.555	514.00	22.9111	1729.76	1220.97	14.619
376.00	16.7726	1267.15	894.68	13.572	516.00	23.0002	1736.59	1225.82	14.632
378.00	16.8617	1273.69	899.25	13.590	518.00	23.0893	1743.43	1230.68	14.645
380.00	16.9509	1280.25	903.82	13.607	520.00	23.1784	1750.26	1235.53	14.659
382.00	17.0401	1286.81	908.40	13.624	522.00	23.2676	1757.10	1240.40	14.672
384.00	17.1292	1293.37	912.99	13.641	524.00	23.3569	1763.95	1245.26	14.685
386.00	17.2184	1299.94	917.58	13.658	526.00	23.4461	1770.80	1250.12	14.698
388.00	17.3075	1306.52	922.18	13.675	528.00	23.5354	1777.65	1254.99	14.711
390.00	17.3966	1313.11	926.78	13.692	530.00	23.6248	1784.50	1259.86	14.724
392.00	17.4858	1319.70	931.39	13.709	532.00	23.7141	1791.36	1264.74	14.737
394.00	17.5749	1326.29	936.01	13.726	534.00	23.8035	1798.22	1269.61	14.749
396.00	17.6641	1332.89	940.63	13.743	536.00	23.8928	1805.08	1274.49	14.762
398.00	17.7532	1339.50	945.26	13.759	538.00	23.9822	1811.94	1279.37	14.775
400.00	17.8423	1346.12	949.89	13.776	540.00	24.0716	1818.81	1284.25	14.788

140.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
55.98	1.2181	299.76	268.20	7.482
56.00	1.2206	299.95	268.31	7.485
58.00	1.4291	314.24	277.24	7.737
60.00	1.5910	325.04	283.88	7.920
62.00	1.7244	334.20	289.47	8.069
64.00	1.8467	342.55	294.56	8.201
66.00	1.9667	350.45	299.35	8.322
68.00	2.0858	357.96	303.89	8.434
70.00	2.2011	365.09	308.18	8.538
72.00	2.3092	371.88	312.23	8.635
74.00	2.4087	378.38	316.09	8.724
76.00	2.5016	384.67	319.83	8.808
78.00	2.5924	390.86	323.51	8.889
80.00	2.6863	397.02	327.18	8.967
82.00	2.7866	403.18	330.88	9.043
84.00	2.8836	409.24	334.51	9.116
86.00	2.9746	415.17	338.07	9.185
88.00	3.0654	421.05	341.59	9.253
90.00	3.1570	426.87	345.08	9.318
92.00	3.2456	432.62	348.53	9.381
94.00	3.3332	438.32	351.94	9.442
96.00	3.4201	443.98	355.32	9.501
98.00	3.5064	449.58	358.68	9.559
100.00	3.5923	455.15	362.01	9.615
102.00	3.6781	460.69	365.32	9.670
104.00	3.7639	466.19	368.61	9.724
106.00	3.8498	471.67	371.89	9.777
108.00	3.9357	477.12	375.16	9.828
110.00	4.0195	482.56	378.41	9.878
112.00	4.1030	487.98	381.67	9.927
114.00	4.1861	493.39	384.92	9.975
116.00	4.2690	498.80	388.17	10.022
118.00	4.3517	504.20	391.43	10.068
120.00	4.4342	509.59	394.68	10.113
122.00	4.5167	514.98	397.94	10.157
124.00	4.5990	520.37	401.20	10.201
126.00	4.6812	525.75	404.47	10.244
128.00	4.7626	531.11	407.72	10.286
130.00	4.8439	536.47	410.97	10.328
132.00	4.9249	541.83	414.22	10.368
134.00	5.0058	547.18	417.48	10.409
136.00	5.0866	552.53	420.73	10.448
138.00	5.1672	557.88	423.99	10.487
140.00	5.2477	563.22	427.26	10.526
142.00	5.3282	568.57	430.52	10.564
144.00	5.4085	573.91	433.79	10.601
146.00	5.4885	579.27	437.07	10.638
148.00	5.5683	584.62	440.35	10.675
150.00	5.6480	589.98	443.64	10.711
152.00	5.7277	595.34	446.94	10.746
154.00	5.8072	600.71	450.25	10.781
156.00	5.8867	606.08	453.56	10.816
158.00	5.9661	611.46	456.89	10.850
160.00	6.0454	616.84	460.22	10.884
162.00	6.1246	622.24	463.56	10.917
164.00	6.2037	627.64	466.92	10.950
166.00	6.2827	633.06	470.28	10.983
168.00	6.3617	638.48	473.66	11.016
170.00	6.4406	643.92	477.05	11.048
172.00	6.5195	649.36	480.45	11.080
174.00	6.5983	654.82	483.87	11.111
176.00	6.6771	660.29	487.29	11.143
178.00	6.7558	665.77	490.73	11.174
180.00	6.8345	671.26	494.19	11.205
182.00	6.9131	676.76	497.66	11.235
184.00	6.9916	682.27	501.13	11.265
186.00	7.0700	687.80	504.63	11.295
188.00	7.1483	693.33	508.14	11.325
190.00	7.2266	698.88	511.66	11.354
192.00	7.3049	704.44	515.19	11.383
194.00	7.3830	710.02	518.74	11.412
196.00	7.4611	715.60	522.30	11.441
198.00	7.5391	721.20	525.88	11.469
200.00	7.6170	726.81	529.47	11.497
202.00	7.6949	732.43	533.07	11.525
204.00	7.7727	738.07	536.69	11.553
206.00	7.8504	743.71	540.32	11.580
208.00	7.9281	749.37	543.97	11.607
210.00	8.0057	755.04	547.63	11.634
212.00	8.0833	760.73	551.31	11.661
214.00	8.1608	766.42	555.00	11.687
216.00	8.2382	772.13	558.70	11.714
218.00	8.3156	777.86	562.42	11.740
220.00	8.3930	783.59	566.15	11.766
222.00	8.4703	789.34	569.89	11.792
224.00	8.5476	795.10	573.65	11.817
226.00	8.6249	800.88	577.43	11.843
228.00	8.7021	806.68	581.22	11.868
230.00	8.7793	812.48	585.02	11.894
232.00	8.8565	818.30	588.84	11.919
234.00	8.9337	824.14	592.67	11.944
236.00	9.0109	829.99	596.52	11.969
238.00	9.0881	835.85	600.38	11.994
240.00	9.1653	841.72	604.25	12.018
242.00	9.2425	847.61	608.14	12.043
244.00	9.3197	853.52	612.04	12.067
246.00	9.3969	859.43	615.95	12.091
248.00	9.4741	865.36	619.88	12.115
250.00	9.5513	871.30	623.82	12.139
252.00	9.6286	877.26	627.78	12.163
254.00	9.7058	883.23	631.74	12.187
256.00	9.7830	889.21	635.73	12.211
258.00	9.8603	895.20	639.72	12.234
260.00	9.9376	901.21	643.73	12.257

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	10.0149	907.23	647.75	12.281	402.00	15.3839	1352.81	954.25	13.640
264.00	10.0921	913.26	651.78	12.304	404.00	15.4604	1359.44	958.89	13.656
266.00	10.1694	919.30	655.83	12.327	406.00	15.5368	1366.08	963.55	13.672
268.00	10.2467	925.36	659.88	12.350	408.00	15.6133	1372.71	968.21	13.689
270.00	10.3240	931.43	663.95	12.372	410.00	15.6897	1379.36	972.87	13.705
272.00	10.4010	937.51	668.04	12.395	412.00	15.7661	1386.01	977.54	13.721
274.00	10.4780	943.60	672.13	12.417	414.00	15.8426	1392.66	982.21	13.737
276.00	10.5550	949.70	676.24	12.440	416.00	15.9190	1399.33	986.90	13.753
278.00	10.6320	955.81	680.36	12.462	418.00	15.9955	1406.00	991.58	13.769
280.00	10.7090	961.94	684.49	12.484	420.00	16.0719	1412.67	996.27	13.785
282.00	10.7860	968.07	688.63	12.506	422.00	16.1484	1419.35	1000.97	13.801
284.00	10.8629	974.22	692.78	12.527	424.00	16.2248	1426.03	1005.67	13.817
286.00	10.9398	980.38	696.95	12.549	426.00	16.3012	1432.71	1010.38	13.832
288.00	11.0167	986.55	701.13	12.571	428.00	16.3776	1439.40	1015.08	13.848
290.00	11.0936	992.73	705.31	12.592	430.00	16.4540	1446.09	1019.80	13.864
292.00	11.1705	998.92	709.51	12.613	432.00	16.5304	1452.79	1024.52	13.879
294.00	11.2473	1005.12	713.72	12.634	434.00	16.6068	1459.49	1029.24	13.895
296.00	11.3241	1011.33	717.95	12.655	436.00	16.6831	1466.19	1033.96	13.910
298.00	11.4010	1017.55	722.18	12.676	438.00	16.7595	1472.90	1038.69	13.925
300.00	11.4778	1023.79	726.42	12.697	440.00	16.8358	1479.61	1043.43	13.941
302.00	11.5545	1030.03	730.67	12.718	442.00	16.9121	1486.33	1048.16	13.956
304.00	11.6313	1036.28	734.94	12.738	444.00	16.9884	1493.04	1052.90	13.971
306.00	11.7081	1042.54	739.21	12.759	446.00	17.0647	1499.76	1057.65	13.986
308.00	11.7848	1048.82	743.49	12.779	448.00	17.1410	1506.49	1062.39	14.001
310.00	11.8616	1055.10	747.79	12.800	450.00	17.2172	1513.21	1067.14	14.016
312.00	11.9383	1061.39	752.09	12.820	452.00	17.2935	1519.94	1071.90	14.031
314.00	12.0150	1067.69	756.41	12.840	454.00	17.3697	1526.67	1076.66	14.046
316.00	12.0918	1074.01	760.73	12.860	456.00	17.4459	1533.40	1081.42	14.061
318.00	12.1685	1080.33	765.06	12.880	458.00	17.5221	1540.14	1086.18	14.076
320.00	12.2452	1086.66	769.41	12.900	460.00	17.5983	1546.88	1090.95	14.090
322.00	12.3218	1093.00	773.76	12.920	462.00	17.6744	1553.62	1095.72	14.105
324.00	12.3985	1099.34	778.12	12.939	464.00	17.7506	1560.37	1100.49	14.119
326.00	12.4752	1105.70	782.49	12.959	466.00	17.8267	1567.11	1105.26	14.134
328.00	12.5519	1112.07	786.87	12.978	468.00	17.9028	1573.86	1110.04	14.148
330.00	12.6285	1118.44	791.26	12.998	470.00	17.9789	1580.62	1114.82	14.163
332.00	12.7052	1124.82	795.65	13.017	472.00	18.0550	1587.37	1119.61	14.177
334.00	12.7818	1131.21	800.06	13.036	474.00	18.1311	1594.13	1124.40	14.192
336.00	12.8585	1137.61	804.47	13.055	476.00	18.2072	1600.89	1129.19	14.206
338.00	12.9351	1144.02	808.89	13.074	478.00	18.2833	1607.66	1133.98	14.220
340.00	13.0117	1150.44	813.32	13.093	480.00	18.3594	1614.43	1138.78	14.234
342.00	13.0884	1156.86	817.76	13.112	482.00	18.4355	1621.20	1143.57	14.248
344.00	13.1650	1163.29	822.21	13.131	484.00	18.5116	1627.97	1148.38	14.262
346.00	13.2416	1169.73	826.66	13.149	486.00	18.5876	1634.75	1153.18	14.276
348.00	13.3182	1176.18	831.13	13.168	488.00	18.6637	1641.53	1157.99	14.290
350.00	13.3948	1182.63	835.60	13.187	490.00	18.7398	1648.31	1162.80	14.304
352.00	13.4714	1189.09	840.08	13.205	492.00	18.8159	1655.10	1167.62	14.318
354.00	13.5480	1195.56	844.56	13.223	494.00	18.8921	1661.89	1172.44	14.332
356.00	13.6246	1202.04	849.05	13.242	496.00	18.9682	1668.68	1177.26	14.345
358.00	13.7012	1208.52	853.55	13.260	498.00	19.0444	1675.48	1182.08	14.359
360.00	13.7777	1215.01	858.06	13.278	500.00	19.1205	1682.28	1186.91	14.373
362.00	13.8543	1221.51	862.58	13.296	502.00	19.1967	1689.09	1191.74	14.386
364.00	13.9308	1228.01	867.10	13.314	504.00	19.2730	1695.90	1196.57	14.400
366.00	14.0073	1234.52	871.62	13.332	506.00	19.3492	1702.71	1201.41	14.413
368.00	14.0838	1241.04	876.16	13.349	508.00	19.4255	1709.53	1206.25	14.427
370.00	14.1603	1247.57	880.70	13.367	510.00	19.5018	1716.35	1211.09	14.440
372.00	14.2368	1254.10	885.25	13.385	512.00	19.5781	1723.17	1215.94	14.454
374.00	14.3133	1260.63	889.81	13.402	514.00	19.6544	1730.00	1220.79	14.467
376.00	14.3898	1267.18	894.37	13.420	516.00	19.7308	1736.83	1225.64	14.480
378.00	14.4663	1273.73	898.94	13.437	518.00	19.8072	1743.67	1230.49	14.493
380.00	14.5428	1280.28	903.51	13.454	520.00	19.8837	1750.51	1235.35	14.506
382.00	14.6193	1286.85	908.09	13.471	522.00	19.9602	1757.35	1240.21	14.520
384.00	14.6957	1293.42	912.68	13.489	524.00	20.0367	1764.19	1245.08	14.533
386.00	14.7722	1299.99	917.27	13.506	526.00	20.1132	1771.04	1249.95	14.546
388.00	14.8487	1306.57	921.87	13.523	528.00	20.1897	1777.90	1254.82	14.559
390.00	14.9252	1313.16	926.48	13.540	530.00	20.2663	1784.75	1259.69	14.571
392.00	15.0016	1319.75	931.09	13.556	532.00	20.3429	1791.61	1264.56	14.584
394.00	15.0781	1326.35	935.71	13.573	534.00	20.4195	1798.47	1269.44	14.597
396.00	15.1545	1332.96	940.34	13.590	536.00	20.4961	1805.33	1274.32	14.610
398.00	15.2310	1339.57	944.97	13.607	538.00	20.5727	1812.20	1279.20	14.623
400.00	15.3075	1346.19	949.60	13.623	540.00	20.6493	1819.07	1284.08	14.635

160.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
57.57	.9899	291.52	262.20	7.264
58.00	1.0372	295.91	265.01	7.340
60.00	1.2401	312.50	275.57	7.623
62.00	1.4086	324.95	283.37	7.827
64.00	1.5434	334.98	289.57	7.986
66.00	1.6548	343.64	294.86	8.119
68.00	1.7544	351.56	299.64	8.237
70.00	1.8504	359.04	304.15	8.345
72.00	1.9465	366.25	308.47	8.447
74.00	2.0433	373.24	312.66	8.544
76.00	2.1390	380.03	316.72	8.635
78.00	2.2315	386.63	320.67	8.721
80.00	2.3191	393.05	324.50	8.802
82.00	2.4018	399.32	328.25	8.879
84.00	2.4809	405.48	331.94	8.953
86.00	2.5595	411.56	335.58	9.024
88.00	2.6411	417.61	339.22	9.093
90.00	2.7291	423.66	342.85	9.161
92.00	2.8080	429.56	346.39	9.226
94.00	2.8857	435.39	349.89	9.288
96.00	2.9625	441.17	353.35	9.349
98.00	3.0388	446.89	356.78	9.408
100.00	3.1149	452.56	360.17	9.465
102.00	3.1912	458.19	363.54	9.521
104.00	3.2680	463.78	366.88	9.576
106.00	3.3453	469.34	370.20	9.629
108.00	3.4233	474.87	373.51	9.681
110.00	3.4974	480.37	376.80	9.732
112.00	3.5712	485.86	380.10	9.781
114.00	3.6448	491.33	383.38	9.830
116.00	3.7181	496.80	386.67	9.877
118.00	3.7912	502.26	389.96	9.924
120.00	3.8643	507.71	393.25	9.970
122.00	3.9374	513.16	396.54	10.015
124.00	4.0104	518.60	399.84	10.059
126.00	4.0833	524.04	403.14	10.102
128.00	4.1552	529.45	406.42	10.145
130.00	4.2269	534.86	409.70	10.187
132.00	4.2984	540.26	412.98	10.228
134.00	4.3698	545.66	416.26	10.268
136.00	4.4410	551.05	419.54	10.308
138.00	4.5122	556.44	422.83	10.348
140.00	4.5832	561.83	426.11	10.386
142.00	4.6541	567.21	429.40	10.425
144.00	4.7249	572.60	432.70	10.462
146.00	4.7954	577.98	436.00	10.499
148.00	4.8657	583.37	439.30	10.536
150.00	4.9359	588.76	442.61	10.572
152.00	5.0060	594.16	445.93	10.608
154.00	5.0760	599.55	449.25	10.643
156.00	5.1460	604.95	452.58	10.678
158.00	5.2158	610.36	455.92	10.712
160.00	5.2857	615.77	459.27	10.746
162.00	5.3554	621.19	462.62	10.780
164.00	5.4250	626.62	465.99	10.813
166.00	5.4946	632.06	469.37	10.846
168.00	5.5641	637.51	472.76	10.879
170.00	5.6335	642.97	476.16	10.911
172.00	5.7029	648.44	479.57	10.943
174.00	5.7723	653.92	483.00	10.975
176.00	5.8417	659.41	486.44	11.007
178.00	5.9110	664.91	489.89	11.038
180.00	5.9803	670.43	493.35	11.069
182.00	6.0495	675.95	496.83	11.099
184.00	6.1185	681.49	500.32	11.130
186.00	6.1875	687.03	503.82	11.160
188.00	6.2565	692.59	507.34	11.189
190.00	6.3253	698.16	510.87	11.219
192.00	6.3941	703.74	514.41	11.248
194.00	6.4628	709.33	517.97	11.277
196.00	6.5314	714.93	521.54	11.306
198.00	6.5999	720.54	525.13	11.334
200.00	6.6684	726.17	528.73	11.362
202.00	6.7367	731.81	532.35	11.390
204.00	6.8050	737.46	535.97	11.418
206.00	6.8732	743.12	539.62	11.445
208.00	6.9413	748.79	543.27	11.473
210.00	7.0093	754.48	546.94	11.500
212.00	7.0773	760.17	550.63	11.526
214.00	7.1451	765.88	554.33	11.553
216.00	7.2129	771.60	558.04	11.579
218.00	7.2806	777.34	561.77	11.606
220.00	7.3483	783.08	565.51	11.632
222.00	7.4159	788.84	569.26	11.657
224.00	7.4835	794.61	573.03	11.683
226.00	7.5511	800.40	576.82	11.709
228.00	7.6187	806.21	580.62	11.734
230.00	7.6863	812.02	584.43	11.760
232.00	7.7539	817.86	588.25	11.785
234.00	7.8215	823.70	592.09	11.810
236.00	7.8891	829.56	595.94	11.835
238.00	7.9567	835.43	599.81	11.860
240.00	8.0243	841.32	603.69	11.884
242.00	8.0919	847.21	607.58	11.909
244.00	8.1596	853.13	611.49	11.933
246.00	8.2272	859.05	615.41	11.957
248.00	8.2949	864.99	619.34	11.982
250.00	8.3627	870.94	623.29	12.006
252.00	8.4304	876.91	627.25	12.030
254.00	8.4982	882.88	631.22	12.053
256.00	8.5660	888.87	635.21	12.077
258.00	8.6338	894.88	639.21	12.101
260.00	8.7016	900.89	643.22	12.124

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	8.7695	906.92	647.24	12.147	402.00	13.4733	1352.89	953.75	13.507
264.00	8.8373	912.96	651.28	12.170	404.00	13.5402	1359.53	958.61	13.524
266.00	8.9052	919.02	655.33	12.193	406.00	13.6071	1366.16	963.27	13.540
268.00	8.9731	925.08	659.39	12.216	408.00	13.6741	1372.81	967.93	13.556
270.00	9.0409	931.16	663.46	12.239	410.00	13.7410	1379.45	972.59	13.573
272.00	9.1085	937.24	667.55	12.262	412.00	13.8079	1386.11	977.26	13.589
274.00	9.1760	943.34	671.65	12.284	414.00	13.8749	1392.77	981.94	13.605
276.00	9.2436	949.45	675.76	12.306	416.00	13.9418	1399.43	986.63	13.621
278.00	9.3111	955.57	679.88	12.329	418.00	14.0087	1406.10	991.31	13.637
280.00	9.3786	961.70	684.02	12.351	420.00	14.0757	1412.78	996.01	13.653
282.00	9.4460	967.85	688.16	12.372	422.00	14.1426	1419.46	1000.71	13.669
284.00	9.5134	974.00	692.32	12.394	424.00	14.2095	1426.14	1005.41	13.685
286.00	9.5809	980.17	696.49	12.416	426.00	14.2764	1432.83	1010.12	13.700
288.00	9.6483	986.34	700.67	12.437	428.00	14.3433	1439.52	1014.83	13.716
290.00	9.7156	992.53	704.86	12.459	430.00	14.4102	1446.22	1019.54	13.732
292.00	9.7830	998.73	709.07	12.480	432.00	14.4771	1452.92	1024.26	13.747
294.00	9.8503	1004.94	713.28	12.501	434.00	14.5439	1459.62	1028.99	13.763
296.00	9.9176	1011.16	717.51	12.522	436.00	14.6108	1466.33	1033.71	13.778
298.00	9.9849	1017.39	721.74	12.543	438.00	14.6776	1473.04	1038.44	13.793
300.00	10.0522	1023.62	725.99	12.564	440.00	14.7444	1479.75	1043.18	13.809
302.00	10.1194	1029.87	730.25	12.585	442.00	14.8113	1486.47	1047.92	13.824
304.00	10.1866	1036.13	734.51	12.606	444.00	14.8781	1493.19	1052.66	13.839
306.00	10.2538	1042.40	738.79	12.626	446.00	14.9448	1499.91	1057.41	13.854
308.00	10.3211	1048.68	743.08	12.647	448.00	15.0116	1506.64	1062.16	13.869
310.00	10.3883	1054.97	747.38	12.667	450.00	15.0784	1513.37	1066.91	13.884
312.00	10.4555	1061.27	751.69	12.687	452.00	15.1451	1520.10	1071.66	13.899
314.00	10.5227	1067.58	756.00	12.707	454.00	15.2118	1526.83	1076.42	13.914
316.00	10.5899	1073.89	760.33	12.727	456.00	15.2786	1533.57	1081.19	13.929
318.00	10.6571	1080.22	764.67	12.747	458.00	15.3453	1540.31	1085.95	13.943
320.00	10.7243	1086.56	769.01	12.767	460.00	15.4120	1547.05	1090.72	13.958
322.00	10.7915	1092.90	773.37	12.787	462.00	15.4786	1553.80	1095.49	13.973
324.00	10.8587	1099.26	777.73	12.807	464.00	15.5453	1560.55	1100.27	13.987
326.00	10.9258	1105.62	782.11	12.826	466.00	15.6119	1567.30	1105.04	14.002
328.00	10.9930	1111.99	786.49	12.846	468.00	15.6786	1574.05	1109.82	14.016
330.00	11.0601	1118.37	790.88	12.865	470.00	15.7452	1580.80	1114.61	14.031
332.00	11.1273	1124.76	795.28	12.884	472.00	15.8119	1587.56	1119.39	14.045
334.00	11.1944	1131.15	799.69	12.903	474.00	15.8785	1594.32	1124.18	14.060
336.00	11.2615	1137.56	804.10	12.923	476.00	15.9451	1601.09	1128.97	14.074
338.00	11.3287	1143.97	808.53	12.942	478.00	16.0117	1607.86	1133.77	14.088
340.00	11.3958	1150.39	812.96	12.961	480.00	16.0783	1614.63	1138.57	14.102
342.00	11.4629	1156.82	817.40	12.979	482.00	16.1449	1621.40	1143.37	14.116
344.00	11.5300	1163.26	821.85	12.998	484.00	16.2115	1628.18	1148.17	14.130
346.00	11.5971	1169.70	826.31	13.017	486.00	16.2781	1634.96	1152.98	14.144
348.00	11.6642	1176.15	830.78	13.036	488.00	16.3448	1641.74	1157.79	14.158
350.00	11.7313	1182.61	835.25	13.054	490.00	16.4114	1648.52	1162.60	14.172
352.00	11.7984	1189.08	839.73	13.072	492.00	16.4780	1655.31	1167.42	14.186
354.00	11.8655	1195.55	844.22	13.091	494.00	16.5446	1662.11	1172.24	14.200
356.00	11.9326	1202.03	848.71	13.109	496.00	16.6113	1668.90	1177.06	14.214
358.00	11.9997	1208.52	853.22	13.127	498.00	16.6780	1675.70	1181.88	14.227
360.00	12.0667	1215.01	857.73	13.145	500.00	16.7447	1682.51	1186.71	14.241
362.00	12.1338	1221.52	862.24	13.163	502.00	16.8114	1689.32	1191.54	14.254
364.00	12.2008	1228.02	866.77	13.181	504.00	16.8781	1696.13	1196.38	14.268
366.00	12.2678	1234.54	871.30	13.199	506.00	16.9448	1702.94	1201.22	14.281
368.00	12.3348	1241.06	875.83	13.217	508.00	17.0116	1709.76	1206.06	14.295
370.00	12.4018	1247.59	880.38	13.235	510.00	17.0784	1716.58	1210.90	14.308
372.00	12.4688	1254.12	884.93	13.252	512.00	17.1452	1723.41	1215.75	14.322
374.00	12.5358	1260.66	889.49	13.270	514.00	17.2120	1730.24	1220.60	14.335
376.00	12.6028	1267.21	894.05	13.287	516.00	17.2788	1737.07	1225.45	14.348
378.00	12.6698	1273.76	898.62	13.305	518.00	17.3457	1743.91	1230.31	14.361
380.00	12.7367	1280.32	903.20	13.322	520.00	17.4126	1750.75	1235.17	14.375
382.00	12.8037	1286.89	907.78	13.339	522.00	17.4796	1757.59	1240.03	14.388
384.00	12.8707	1293.46	912.37	13.356	524.00	17.5465	1764.44	1244.90	14.401
386.00	12.9376	1300.04	916.97	13.373	526.00	17.6135	1771.29	1249.77	14.414
388.00	13.0046	1306.63	921.57	13.390	528.00	17.6805	1778.15	1254.64	14.427
390.00	13.0716	1313.22	926.18	13.407	530.00	17.7475	1785.00	1259.51	14.440
392.00	13.1385	1319.82	930.80	13.424	532.00	17.8145	1791.86	1264.38	14.452
394.00	13.2055	1326.42	935.42	13.441	534.00	17.8815	1798.72	1269.26	14.465
396.00	13.2724	1333.03	940.04	13.458	536.00	17.9486	1805.59	1274.14	14.478
398.00	13.3394	1339.65	944.68	13.474	538.00	18.0156	1812.45	1279.02	14.491
400.00	13.4063	1346.27	949.32	13.491	540.00	18.0826	1819.32	1283.91	14.504

180.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
59.02	.7718	277.95	252.23	6.976
60.00	.9096	293.28	262.49	7.234
62.00	1.1571	314.28	276.25	7.580
64.00	1.3236	327.31	284.51	7.788
66.00	1.4230	336.71	290.26	7.931
68.00	1.4954	344.76	295.10	8.049
70.00	1.5692	352.49	299.75	8.160
72.00	1.6558	360.20	304.40	8.269
74.00	1.7543	367.85	309.03	8.375
76.00	1.8569	375.28	313.52	8.475
78.00	1.9534	382.36	317.79	8.568
80.00	2.0359	389.05	321.79	8.653
82.00	2.1029	395.40	325.58	8.731
84.00	2.1601	401.56	329.24	8.803
86.00	2.2189	407.67	332.89	8.874
88.00	2.2931	413.92	336.64	8.945
90.00	2.3965	420.40	340.57	9.020
92.00	2.4670	426.44	344.20	9.086
94.00	2.5359	432.40	347.78	9.150
96.00	2.6038	438.29	351.32	9.212
98.00	2.6713	444.12	354.82	9.271
100.00	2.7391	449.90	358.27	9.330
102.00	2.8079	455.62	361.70	9.387
104.00	2.8784	461.31	365.10	9.442
106.00	2.9508	466.97	368.48	9.497
108.00	3.0250	472.60	371.84	9.550
110.00	3.0916	478.18	375.18	9.601
112.00	3.1578	483.73	378.51	9.651
114.00	3.2238	489.27	381.83	9.700
116.00	3.2896	494.80	385.16	9.748
118.00	3.3553	500.32	388.48	9.795
120.00	3.4211	505.83	391.81	9.842
122.00	3.4869	511.34	395.14	9.887
124.00	3.5527	516.84	398.47	9.932
126.00	3.6185	522.34	401.80	9.976
128.00	3.6830	527.80	405.12	10.019
130.00	3.7472	533.26	408.42	10.061
132.00	3.8113	538.70	411.73	10.103
134.00	3.8753	544.15	415.04	10.143
136.00	3.9391	549.58	418.35	10.184
138.00	4.0028	555.01	421.66	10.223
140.00	4.0665	560.44	424.97	10.262
142.00	4.1300	565.86	428.28	10.301
144.00	4.1935	571.28	431.60	10.339
146.00	4.2565	576.70	434.92	10.376
148.00	4.3194	582.13	438.24	10.413
150.00	4.3822	587.55	441.57	10.449
152.00	4.4449	592.97	444.91	10.485
154.00	4.5075	598.40	448.25	10.521
156.00	4.5700	603.83	451.60	10.556
158.00	4.6325	609.27	454.95	10.590
160.00	4.6949	614.71	458.32	10.625
162.00	4.7573	620.16	461.69	10.658
164.00	4.8195	625.61	465.07	10.692
166.00	4.8817	631.08	468.46	10.725
168.00	4.9438	636.55	471.87	10.758
170.00	5.0059	642.03	475.28	10.790
172.00	5.0680	647.53	478.70	10.823
174.00	5.1300	653.03	482.14	10.854
176.00	5.1921	658.54	485.59	10.886
178.00	5.2541	664.07	489.05	10.917
180.00	5.3161	669.60	492.52	10.948
182.00	5.3779	675.15	496.01	10.979
184.00	5.4397	680.70	499.51	11.010
186.00	5.5013	686.27	503.02	11.040
188.00	5.5629	691.84	506.55	11.070
190.00	5.6245	697.43	510.08	11.099
192.00	5.6859	703.03	513.64	11.128
194.00	5.7472	708.64	517.20	11.157
196.00	5.8085	714.26	520.79	11.186
198.00	5.8696	719.89	524.38	11.215
200.00	5.9307	725.53	527.99	11.243
202.00	5.9917	731.18	531.61	11.271
204.00	6.0525	736.84	535.25	11.299
206.00	6.1133	742.52	538.91	11.326
208.00	6.1739	748.21	542.57	11.354
210.00	6.2345	753.91	546.25	11.381
212.00	6.2949	759.62	549.95	11.408
214.00	6.3553	765.34	553.65	11.434
216.00	6.4155	771.07	557.38	11.461
218.00	6.4757	776.82	561.12	11.487
220.00	6.5359	782.57	564.87	11.513
222.00	6.5959	788.34	568.64	11.539
224.00	6.6559	794.13	572.42	11.564
226.00	6.7160	799.93	576.21	11.590
228.00	6.7761	805.74	580.02	11.616
230.00	6.8362	811.57	583.84	11.641
232.00	6.8964	817.41	587.67	11.666
234.00	6.9565	823.27	591.52	11.691
236.00	7.0166	829.13	595.38	11.716
238.00	7.0768	835.02	599.25	11.741
240.00	7.1369	840.91	603.13	11.766
242.00	7.1971	846.82	607.03	11.790
244.00	7.2574	852.74	610.95	11.815
246.00	7.3176	858.68	614.87	11.839
248.00	7.3779	864.62	618.81	11.863
250.00	7.4382	870.59	622.76	11.887
252.00	7.4986	876.56	626.73	11.911
254.00	7.5590	882.55	630.70	11.935
256.00	7.6194	888.55	634.69	11.959
258.00	7.6799	894.56	638.69	11.983
260.00	7.7404	900.58	642.71	12.006

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	7.8009	906.62	646.74	12.029	402.00	11.9872	1352.97	953.67	13.391
264.00	7.8614	912.67	650.78	12.052	404.00	12.0468	1359.61	958.33	13.407
266.00	7.9220	918.73	654.83	12.076	406.00	12.1063	1366.25	962.98	13.423
268.00	7.9825	924.80	658.89	12.099	408.00	12.1659	1372.89	967.65	13.440
270.00	8.0431	930.89	662.97	12.121	410.00	12.2254	1379.55	972.32	13.456
272.00	8.1033	936.98	667.06	12.144	412.00	12.2849	1386.20	976.99	13.472
274.00	8.1635	943.09	671.16	12.166	414.00	12.3444	1392.86	981.67	13.488
276.00	8.2236	949.21	675.28	12.189	416.00	12.4040	1399.53	986.35	13.504
278.00	8.2837	955.34	679.41	12.211	418.00	12.4635	1406.21	991.04	13.520
280.00	8.3438	961.48	683.54	12.233	420.00	12.5230	1412.89	995.74	13.536
282.00	8.4039	967.63	687.70	12.255	422.00	12.5826	1419.57	1000.44	13.552
284.00	8.4640	973.79	691.86	12.277	424.00	12.6421	1426.26	1005.14	13.568
286.00	8.5240	979.96	696.03	12.298	426.00	12.7016	1432.95	1009.85	13.584
288.00	8.5840	986.15	700.22	12.320	428.00	12.7611	1439.65	1014.57	13.599
290.00	8.6439	992.34	704.41	12.341	430.00	12.8206	1446.34	1019.29	13.615
292.00	8.7039	998.54	708.62	12.363	432.00	12.8800	1453.05	1024.01	13.630
294.00	8.7638	1004.76	712.84	12.384	434.00	12.9395	1459.75	1028.73	13.646
296.00	8.8237	1010.98	717.07	12.405	436.00	12.9990	1466.47	1033.46	13.661
298.00	8.8836	1017.22	721.31	12.426	438.00	13.0584	1473.18	1038.20	13.677
300.00	8.9434	1023.47	725.56	12.447	440.00	13.1178	1479.90	1042.93	13.692
302.00	9.0032	1029.72	729.82	12.468	442.00	13.1773	1486.62	1047.67	13.707
304.00	9.0631	1035.99	734.09	12.488	444.00	13.2367	1493.34	1052.42	13.722
306.00	9.1228	1042.26	738.38	12.509	446.00	13.2961	1500.07	1057.17	13.737
308.00	9.1827	1048.55	742.67	12.529	448.00	13.3554	1506.79	1061.92	13.753
310.00	9.2425	1054.84	746.97	12.550	450.00	13.4148	1513.53	1066.67	13.768
312.00	9.3023	1061.15	751.28	12.570	452.00	13.4742	1520.26	1071.43	13.782
314.00	9.3621	1067.46	755.60	12.590	454.00	13.5335	1527.00	1076.19	13.797
316.00	9.4219	1073.79	759.93	12.610	456.00	13.5929	1533.74	1080.96	13.812
318.00	9.4817	1080.12	764.27	12.630	458.00	13.6522	1540.48	1085.72	13.827
320.00	9.5415	1086.46	768.62	12.650	460.00	13.7115	1547.23	1090.49	13.842
322.00	9.6013	1092.81	772.98	12.670	462.00	13.7708	1553.98	1095.27	13.856
324.00	9.6610	1099.17	777.35	12.689	464.00	13.8301	1560.73	1100.04	13.871
326.00	9.7208	1105.54	781.73	12.709	466.00	13.8894	1567.48	1104.82	13.885
328.00	9.7806	1111.91	786.11	12.728	468.00	13.9487	1574.24	1109.60	13.900
330.00	9.8403	1118.30	790.51	12.748	470.00	14.0079	1580.99	1114.39	13.914
332.00	9.9001	1124.69	794.91	12.767	472.00	14.0672	1587.75	1119.18	13.929
334.00	9.9598	1131.09	799.32	12.786	474.00	14.1264	1594.52	1123.97	13.943
336.00	10.0195	1137.50	803.74	12.805	476.00	14.1857	1601.29	1128.76	13.957
338.00	10.0793	1143.92	808.17	12.825	478.00	14.2449	1608.06	1133.56	13.972
340.00	10.1390	1150.35	812.61	12.843	480.00	14.3042	1614.83	1138.36	13.986
342.00	10.1987	1156.78	817.05	12.862	482.00	14.3634	1621.61	1143.16	14.000
344.00	10.2584	1163.22	821.50	12.881	484.00	14.4226	1628.39	1147.97	14.014
346.00	10.3181	1169.67	825.96	12.900	486.00	14.4819	1635.17	1152.78	14.028
348.00	10.3778	1176.13	830.43	12.918	488.00	14.5411	1641.95	1157.59	14.042
350.00	10.4376	1182.59	834.91	12.937	490.00	14.6004	1648.74	1162.40	14.056
352.00	10.4973	1189.06	839.39	12.955	492.00	14.6596	1655.53	1167.22	14.070
354.00	10.5570	1195.54	843.88	12.974	494.00	14.7189	1662.33	1172.04	14.083
356.00	10.6166	1202.02	848.38	12.992	496.00	14.7782	1669.13	1176.86	14.097
358.00	10.6763	1208.52	852.88	13.010	498.00	14.8375	1675.93	1181.69	14.111
360.00	10.7360	1215.02	857.40	13.028	500.00	14.8968	1682.74	1186.52	14.124
362.00	10.7956	1221.52	861.92	13.046	502.00	14.9561	1689.55	1191.35	14.138
364.00	10.8553	1228.03	866.44	13.064	504.00	15.0154	1696.36	1196.19	14.152
366.00	10.9149	1234.55	870.97	13.082	506.00	15.0747	1703.18	1201.03	14.165
368.00	10.9745	1241.08	875.51	13.100	508.00	15.1341	1710.00	1205.87	14.179
370.00	11.0341	1247.61	880.06	13.118	510.00	15.1935	1716.82	1210.72	14.192
372.00	11.0937	1254.15	884.61	13.135	512.00	15.2529	1723.65	1215.56	14.205
374.00	11.1533	1260.69	889.17	13.153	514.00	15.3123	1730.48	1220.41	14.219
376.00	11.2129	1267.24	893.74	13.170	516.00	15.3718	1737.31	1225.27	14.232
378.00	11.2725	1273.80	898.31	13.188	518.00	15.4312	1744.15	1230.13	14.245
380.00	11.3321	1280.36	902.89	13.205	520.00	15.4907	1750.99	1234.99	14.258
382.00	11.3917	1286.94	907.48	13.222	522.00	15.5502	1757.84	1239.85	14.271
384.00	11.4512	1293.51	912.07	13.239	524.00	15.6097	1764.69	1244.72	14.284
386.00	11.5108	1300.09	916.67	13.257	526.00	15.6693	1771.54	1249.59	14.297
388.00	11.5704	1306.68	921.27	13.274	528.00	15.7288	1778.39	1254.46	14.310
390.00	11.6299	1313.28	925.88	13.290	530.00	15.7884	1785.25	1259.33	14.323
392.00	11.6895	1319.88	930.50	13.307	532.00	15.8480	1792.11	1264.21	14.336
394.00	11.7490	1326.49	935.12	13.324	534.00	15.9076	1798.98	1269.09	14.349
396.00	11.8086	1333.10	939.75	13.341	536.00	15.9672	1805.84	1273.97	14.362
398.00	11.8682	1339.72	944.39	13.358	538.00	16.0268	1812.71	1278.85	14.374
400.00	11.9277	1346.34	949.03	13.374	540.00	16.0864	1819.58	1283.73	14.387

200.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
62.00	.8517	294.83	262.81	7.203
64.00	1.0082	312.23	274.13	7.480
66.00	1.1500	325.85	282.83	7.691
68.00	1.2722	336.96	289.81	7.859
70.00	1.3760	346.44	295.67	7.997
72.00	1.4659	354.91	300.83	8.117
74.00	1.5471	362.74	305.57	8.224
76.00	1.6242	370.19	310.05	8.323
78.00	1.6999	377.37	314.37	8.417
80.00	1.7754	384.37	318.57	8.505
82.00	1.8506	391.21	322.68	8.590
84.00	1.9248	397.89	326.70	8.670
86.00	1.9968	404.44	330.64	8.747
88.00	2.0655	410.84	334.49	8.820
90.00	2.1304	417.10	338.25	8.890
92.00	2.1916	423.24	341.94	8.957
94.00	2.2498	429.28	345.56	9.022
96.00	2.3064	435.23	349.12	9.084
98.00	2.3631	441.13	352.65	9.144
100.00	2.4220	446.99	356.16	9.203
102.00	2.4847	452.82	359.65	9.261
104.00	2.5526	458.65	363.14	9.318
106.00	2.6266	464.48	366.63	9.375
108.00	2.7065	470.30	370.13	9.431
110.00	2.7669	475.95	373.51	9.482
112.00	2.8270	481.58	376.89	9.533
114.00	2.8868	487.19	380.26	9.583
116.00	2.9465	492.79	383.63	9.631
118.00	3.0063	498.38	386.99	9.679
120.00	3.0662	503.95	390.36	9.726
122.00	3.1263	509.53	393.73	9.772
124.00	3.1865	515.09	397.10	9.817
126.00	3.2469	520.64	400.47	9.862
128.00	3.3054	526.16	403.81	9.905
130.00	3.3637	531.66	407.15	9.948
132.00	3.4218	537.16	410.49	9.990
134.00	3.4798	542.64	413.82	10.031
136.00	3.5377	548.12	417.16	10.071
138.00	3.5955	553.59	420.49	10.111
140.00	3.6533	559.05	423.82	10.151
142.00	3.7110	564.51	427.15	10.189
144.00	3.7686	569.97	430.49	10.228
146.00	3.8256	575.43	433.83	10.265
148.00	3.8826	580.88	437.18	10.302
150.00	3.9394	586.34	440.53	10.339
152.00	3.9962	591.79	443.88	10.375
154.00	4.0528	597.25	447.24	10.411
156.00	4.1095	602.71	450.61	10.446
158.00	4.1660	608.18	453.98	10.481
160.00	4.2225	613.65	457.36	10.515
162.00	4.2790	619.13	460.75	10.549
164.00	4.3353	624.61	464.15	10.583
166.00	4.3916	630.10	467.56	10.616
168.00	4.4478	635.60	470.97	10.649
170.00	4.5040	641.11	474.40	10.682
172.00	4.5602	646.62	477.83	10.714
174.00	4.6163	652.15	481.28	10.746
176.00	4.6725	657.68	484.74	10.778
178.00	4.7287	663.23	488.21	10.809
180.00	4.7848	668.79	491.69	10.840
182.00	4.8407	674.35	495.19	10.871
184.00	4.8966	679.93	498.70	10.902
186.00	4.9524	685.51	502.22	10.932
188.00	5.0081	691.10	505.75	10.962
190.00	5.0638	696.71	509.30	10.992
192.00	5.1193	702.32	512.86	11.021
194.00	5.1748	707.95	516.44	11.050
196.00	5.2301	713.58	520.03	11.079
198.00	5.2854	719.23	523.63	11.108
200.00	5.3405	724.89	527.25	11.136
202.00	5.3955	730.56	530.89	11.164
204.00	5.4505	736.23	534.53	11.192
206.00	5.5053	741.92	538.20	11.220
208.00	5.5600	747.62	541.87	11.247
210.00	5.6145	753.34	545.56	11.274
212.00	5.6690	759.06	549.27	11.301
214.00	5.7234	764.79	552.99	11.328
216.00	5.7777	770.54	556.72	11.354
218.00	5.8319	776.30	560.47	11.380
220.00	5.8860	782.07	564.24	11.406
222.00	5.9400	787.85	568.01	11.432
224.00	5.9940	793.64	571.80	11.458
226.00	6.0480	799.45	575.60	11.484
228.00	6.1022	805.28	579.42	11.509
230.00	6.1563	811.12	583.25	11.535
232.00	6.2105	816.97	587.09	11.560
234.00	6.2646	822.84	590.94	11.585
236.00	6.3188	828.72	594.81	11.610
238.00	6.3730	834.61	598.69	11.635
240.00	6.4272	840.51	602.58	11.660
242.00	6.4815	846.43	606.49	11.684
244.00	6.5357	852.36	610.40	11.709
246.00	6.5901	858.31	614.33	11.733
248.00	6.6444	864.27	618.28	11.757
250.00	6.6988	870.24	622.23	11.781
252.00	6.7533	876.22	626.20	11.805
254.00	6.8078	882.21	630.18	11.829
256.00	6.8623	888.22	634.18	11.853
258.00	6.9169	894.24	638.18	11.877
260.00	6.9715	900.28	642.20	11.900

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	7.0262	906.32	646.23	11.924	402.00	10.7984	1353.06	953.39	13.286
264.00	7.0808	912.38	650.28	11.947	404.00	10.8521	1359.69	958.04	13.303
266.00	7.1355	918.45	654.33	11.970	406.00	10.9057	1366.34	962.70	13.319
268.00	7.1902	924.53	658.40	11.993	408.00	10.9593	1372.99	967.37	13.335
270.00	7.2449	930.63	662.48	12.016	410.00	11.0129	1379.64	972.04	13.352
272.00	7.2992	936.73	666.57	12.038	412.00	11.0665	1386.30	976.71	13.368
274.00	7.3535	942.84	670.68	12.061	414.00	11.1201	1392.97	981.39	13.384
276.00	7.4077	948.97	674.80	12.083	416.00	11.1737	1399.64	986.08	13.400
278.00	7.4619	955.10	678.93	12.105	418.00	11.2273	1406.32	990.78	13.416
280.00	7.5161	961.25	683.08	12.128	420.00	11.2809	1413.00	995.47	13.432
282.00	7.5703	967.41	687.23	12.149	422.00	11.3345	1419.69	1000.18	13.448
284.00	7.6244	973.58	691.40	12.171	424.00	11.3881	1426.38	1004.88	13.463
286.00	7.6785	979.76	695.57	12.193	426.00	11.4417	1433.07	1009.59	13.479
288.00	7.7326	985.95	699.76	12.215	428.00	11.4953	1439.77	1014.31	13.495
290.00	7.7866	992.15	703.96	12.236	430.00	11.5489	1446.47	1019.03	13.510
292.00	7.8407	998.36	708.18	12.257	432.00	11.6024	1453.18	1023.75	13.526
294.00	7.8947	1004.58	712.40	12.279	434.00	11.6560	1459.89	1028.48	13.542
296.00	7.9486	1010.81	716.63	12.300	436.00	11.7095	1466.60	1033.21	13.557
298.00	8.0026	1017.06	720.88	12.321	438.00	11.7630	1473.32	1037.95	13.572
300.00	8.0565	1023.31	725.13	12.342	440.00	11.8165	1480.04	1042.69	13.588
302.00	8.1104	1029.57	729.40	12.362	442.00	11.8701	1486.76	1047.43	13.603
304.00	8.1642	1035.84	733.67	12.383	444.00	11.9236	1493.49	1052.18	13.618
306.00	8.2181	1042.12	737.96	12.404	446.00	11.9770	1500.22	1056.93	13.633
308.00	8.2720	1048.41	742.26	12.424	448.00	12.0305	1506.95	1061.68	13.648
310.00	8.3259	1054.72	746.56	12.444	450.00	12.0840	1513.68	1066.44	13.663
312.00	8.3798	1061.03	750.88	12.465	452.00	12.1374	1520.42	1071.20	13.678
314.00	8.4337	1067.35	755.20	12.485	454.00	12.1909	1527.16	1075.96	13.693
316.00	8.4876	1073.68	759.54	12.505	456.00	12.2443	1533.91	1080.73	13.708
318.00	8.5414	1080.01	763.88	12.525	458.00	12.2977	1540.65	1085.50	13.723
320.00	8.5953	1086.36	768.23	12.545	460.00	12.3511	1547.40	1090.27	13.737
322.00	8.6492	1092.72	772.59	12.565	462.00	12.4045	1554.15	1095.04	13.752
324.00	8.7030	1099.08	776.97	12.584	464.00	12.4579	1560.91	1099.82	13.767
326.00	8.7568	1105.46	781.35	12.604	466.00	12.5113	1567.66	1104.60	13.781
328.00	8.8107	1111.84	785.73	12.623	468.00	12.5647	1574.42	1109.39	13.796
330.00	8.8645	1118.23	790.13	12.643	470.00	12.6181	1581.18	1114.17	13.810
332.00	8.9183	1124.63	794.54	12.662	472.00	12.6714	1587.95	1118.96	13.825
334.00	8.9721	1131.03	798.95	12.681	474.00	12.7248	1594.71	1123.76	13.839
336.00	9.0260	1137.45	803.38	12.701	476.00	12.7781	1601.48	1128.55	13.853
338.00	9.0798	1143.87	807.81	12.720	478.00	12.8315	1608.26	1133.35	13.867
340.00	9.1336	1150.30	812.25	12.739	480.00	12.8848	1615.03	1138.15	13.882
342.00	9.1874	1156.74	816.69	12.758	482.00	12.9382	1621.81	1142.96	13.896
344.00	9.2412	1163.19	821.15	12.776	484.00	12.9915	1628.59	1147.75	13.910
346.00	9.2950	1169.64	825.61	12.795	486.00	13.0449	1635.38	1152.57	13.924
348.00	9.3488	1176.10	830.08	12.814	488.00	13.0982	1642.17	1157.39	13.938
350.00	9.4026	1182.57	834.56	12.832	490.00	13.1516	1648.96	1162.20	13.952
352.00	9.4564	1189.05	839.05	12.851	492.00	13.2049	1655.75	1167.02	13.965
354.00	9.5101	1195.53	843.54	12.869	494.00	13.2583	1662.55	1171.84	13.979
356.00	9.5639	1202.02	848.04	12.887	496.00	13.3117	1669.35	1176.67	13.993
358.00	9.6177	1208.52	852.55	12.906	498.00	13.3651	1676.15	1181.50	14.007
360.00	9.6715	1215.02	857.07	12.924	500.00	13.4184	1682.96	1186.33	14.020
362.00	9.7252	1221.53	861.59	12.942	502.00	13.4719	1689.77	1191.16	14.034
364.00	9.7789	1228.05	866.11	12.960	504.00	13.5253	1696.59	1196.00	14.047
366.00	9.8326	1234.57	870.65	12.978	506.00	13.5787	1703.41	1200.84	14.061
368.00	9.8863	1241.10	875.19	12.995	508.00	13.6322	1710.23	1205.68	14.074
370.00	9.9400	1247.63	879.74	13.013	510.00	13.6856	1717.06	1210.53	14.088
372.00	9.9937	1254.18	884.30	13.031	512.00	13.7391	1723.88	1215.38	14.101
374.00	10.0473	1260.72	888.86	13.048	514.00	13.7926	1730.72	1220.23	14.114
376.00	10.1010	1267.28	893.43	13.066	516.00	13.8461	1737.55	1225.09	14.128
378.00	10.1547	1273.84	898.00	13.083	518.00	13.8996	1744.39	1229.94	14.141
380.00	10.2084	1280.41	902.58	13.100	520.00	13.9532	1751.24	1234.81	14.154
382.00	10.2620	1286.98	907.17	13.118	522.00	14.0067	1758.09	1239.67	14.167
384.00	10.3157	1293.56	911.77	13.135	524.00	14.0603	1764.94	1244.54	14.180
386.00	10.3693	1300.15	916.37	13.152	526.00	14.1139	1771.79	1249.41	14.193
388.00	10.4230	1306.74	920.97	13.169	528.00	14.1675	1778.64	1254.28	14.206
390.00	10.4766	1313.34	925.59	13.186	530.00	14.2211	1785.50	1259.15	14.219
392.00	10.5303	1319.95	930.21	13.203	532.00	14.2748	1792.37	1264.03	14.232
394.00	10.5839	1326.56	934.83	13.220	534.00	14.3284	1799.23	1268.91	14.245
396.00	10.6376	1333.17	939.46	13.236	536.00	14.3820	1806.10	1273.79	14.258
398.00	10.6912	1339.79	944.10	13.253	538.00	14.4357	1812.96	1278.68	14.270
400.00	10.7448	1346.42	948.74	13.270	540.00	14.4893	1819.83	1283.56	14.283

250.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
70.00	.9657	326.98	282.16	7.564
72.00	1.0537	337.99	289.11	7.720
74.00	1.1356	347.81	295.22	7.855
76.00	1.2117	356.78	300.74	7.976
78.00	1.2826	365.13	305.84	8.085
80.00	1.3493	373.03	310.64	8.185
82.00	1.4130	380.59	315.23	8.279
84.00	1.4745	387.89	319.66	8.366
86.00	1.5346	394.99	323.96	8.449
88.00	1.5938	401.91	328.15	8.528
90.00	1.6522	408.68	332.24	8.604
92.00	1.7100	415.31	336.25	8.677
94.00	1.7670	421.82	340.17	8.747
96.00	1.8231	428.20	344.02	8.814
98.00	1.8781	434.47	347.79	8.879
100.00	1.9319	440.64	351.49	8.941
102.00	1.9843	446.72	355.13	9.002
104.00	2.0355	452.72	358.72	9.060
106.00	2.0854	458.65	362.27	9.117
108.00	2.1343	464.53	365.79	9.172
110.00	2.1825	470.37	369.29	9.226
112.00	2.2303	476.17	372.77	9.278
114.00	2.2781	481.95	376.24	9.329
116.00	2.3263	487.72	379.72	9.379
118.00	2.3751	493.48	383.19	9.428
120.00	2.4247	499.23	386.67	9.477
122.00	2.4753	504.97	390.15	9.524
124.00	2.5267	510.71	393.64	9.570
126.00	2.5789	516.43	397.12	9.616
128.00	2.6265	522.08	400.55	9.660
130.00	2.6739	527.71	403.96	9.704
132.00	2.7212	533.32	407.37	9.746
134.00	2.7684	538.91	410.77	9.788
136.00	2.8156	544.49	414.17	9.830
138.00	2.8628	550.06	417.56	9.871
140.00	2.9100	555.62	420.95	9.911
142.00	2.9572	561.17	424.34	9.950
144.00	3.0043	566.72	427.72	9.989
146.00	3.0507	572.26	431.12	10.028
148.00	3.0970	577.80	434.51	10.065
150.00	3.1431	583.33	437.91	10.102
152.00	3.1892	588.87	441.31	10.139
154.00	3.2351	594.41	444.72	10.175
156.00	3.2811	599.94	448.13	10.211
158.00	3.3270	605.49	451.55	10.246
160.00	3.3728	611.03	454.98	10.281
162.00	3.4186	616.58	458.42	10.315
164.00	3.4642	622.13	461.85	10.349
166.00	3.5097	627.68	465.30	10.383
168.00	3.5552	633.25	468.76	10.416
170.00	3.6007	638.81	472.22	10.449
172.00	3.6461	644.39	475.70	10.482
174.00	3.6914	649.97	479.18	10.514
176.00	3.7368	655.56	482.67	10.546
178.00	3.7821	661.16	486.18	10.578
180.00	3.8275	666.77	489.69	10.610
182.00	3.8726	672.38	493.22	10.641
184.00	3.9177	678.00	496.76	10.672
186.00	3.9627	683.63	500.31	10.702
188.00	4.0076	689.27	503.87	10.732
190.00	4.0524	694.92	507.45	10.762
192.00	4.0972	700.58	511.03	10.792
194.00	4.1419	706.25	514.63	10.821
196.00	4.1865	711.92	518.25	10.850
198.00	4.2310	717.61	521.88	10.879
200.00	4.2754	723.30	525.52	10.908
202.00	4.3198	729.01	529.17	10.936
204.00	4.3641	734.72	532.84	10.964
206.00	4.4082	740.45	536.52	10.992
208.00	4.4523	746.19	540.22	11.019
210.00	4.4964	751.93	543.93	11.047
212.00	4.5403	757.69	547.65	11.074
214.00	4.5842	763.46	551.39	11.101
216.00	4.6280	769.23	555.14	11.127
218.00	4.6717	775.02	558.90	11.154
220.00	4.7154	780.82	562.68	11.180
222.00	4.7590	786.64	566.47	11.206
224.00	4.8026	792.46	570.27	11.232
226.00	4.8462	798.30	574.09	11.257
228.00	4.8898	804.16	577.92	11.283
230.00	4.9334	810.02	581.76	11.309
232.00	4.9770	815.90	585.62	11.334
234.00	5.0206	821.79	589.49	11.359
236.00	5.0642	827.70	593.37	11.384
238.00	5.1078	833.62	597.26	11.409
240.00	5.1515	839.55	601.17	11.434
242.00	5.1951	845.49	605.09	11.459
244.00	5.2388	851.44	609.02	11.483
246.00	5.2825	857.41	612.96	11.508
248.00	5.3262	863.39	616.92	11.532
250.00	5.3699	869.39	620.89	11.556
252.00	5.4137	875.39	624.87	11.581
254.00	5.4574	881.41	628.86	11.605
256.00	5.5013	887.44	632.87	11.628
258.00	5.5451	893.48	636.89	11.652
260.00	5.5899	899.54	640.92	11.676

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	5.6328	905.60	644.97	11.699	402.00	8.6587	1353.27	952.68	13.065
264.00	5.6767	911.68	649.02	11.722	404.00	8.7017	1359.91	957.34	13.081
266.00	5.7206	917.77	653.09	11.746	406.00	8.7446	1366.57	962.00	13.097
268.00	5.7645	923.87	657.17	11.769	408.00	8.7876	1373.22	966.67	13.114
270.00	5.8084	929.99	661.26	11.792	410.00	8.8305	1379.89	971.35	13.130
272.00	5.8520	936.11	665.37	11.814	412.00	8.8735	1386.55	976.03	13.146
274.00	5.8956	942.24	669.49	11.837	414.00	8.9164	1393.23	980.71	13.162
276.00	5.9391	948.38	673.62	11.859	416.00	8.9594	1399.91	985.41	13.179
278.00	5.9826	954.54	677.76	11.882	418.00	9.0023	1406.59	990.11	13.195
280.00	6.0261	960.70	681.91	11.904	420.00	9.0453	1413.28	994.81	13.210
282.00	6.0696	966.88	686.08	11.926	422.00	9.0882	1419.98	999.52	13.226
284.00	6.1131	973.06	690.25	11.948	424.00	9.1311	1426.68	1004.23	13.242
286.00	6.1565	979.26	694.44	11.969	426.00	9.1741	1433.38	1008.95	13.258
288.00	6.1999	985.47	698.64	11.991	428.00	9.2170	1440.09	1013.67	13.274
290.00	6.2433	991.68	702.85	12.013	430.00	9.2599	1446.80	1018.39	13.289
292.00	6.2867	997.91	707.07	12.034	432.00	9.3028	1453.51	1023.12	13.305
294.00	6.3300	1004.15	711.30	12.055	434.00	9.3457	1460.23	1027.85	13.320
296.00	6.3734	1010.40	715.54	12.076	436.00	9.3886	1466.95	1032.59	13.336
298.00	6.4167	1016.66	719.80	12.097	438.00	9.4314	1473.67	1037.33	13.351
300.00	6.4600	1022.92	724.06	12.118	440.00	9.4743	1480.40	1042.08	13.366
302.00	6.5032	1029.20	728.34	12.139	442.00	9.5172	1487.13	1046.83	13.382
304.00	6.5465	1035.49	732.62	12.160	444.00	9.5600	1493.87	1051.58	13.397
306.00	6.5897	1041.78	736.91	12.180	446.00	9.6029	1500.60	1056.33	13.412
308.00	6.6330	1048.09	741.22	12.201	448.00	9.6457	1507.34	1061.09	13.427
310.00	6.6762	1054.41	745.53	12.221	450.00	9.6885	1514.09	1065.85	13.442
312.00	6.7195	1060.73	749.86	12.242	452.00	9.7314	1520.83	1070.62	13.457
314.00	6.7627	1067.07	754.19	12.262	454.00	9.7742	1527.58	1075.39	13.472
316.00	6.8059	1073.41	758.53	12.282	456.00	9.8170	1534.33	1080.16	13.487
318.00	6.8492	1079.76	762.89	12.302	458.00	9.8598	1541.09	1084.93	13.502
320.00	6.8924	1086.12	767.25	12.322	460.00	9.9025	1547.84	1089.71	13.516
322.00	6.9356	1092.49	771.62	12.342	462.00	9.9453	1554.60	1094.49	13.531
324.00	6.9788	1098.87	776.00	12.362	464.00	9.9881	1561.36	1099.27	13.546
326.00	7.0220	1105.26	780.39	12.381	466.00	10.0309	1568.13	1104.06	13.560
328.00	7.0651	1111.66	784.78	12.401	468.00	10.0736	1574.89	1108.85	13.575
330.00	7.1083	1118.06	789.19	12.420	470.00	10.1164	1581.66	1113.64	13.589
332.00	7.1515	1124.47	793.60	12.440	472.00	10.1591	1588.43	1118.43	13.604
334.00	7.1947	1130.89	798.03	12.459	474.00	10.2019	1595.21	1123.23	13.618
336.00	7.2378	1137.32	802.46	12.478	476.00	10.2446	1601.98	1128.03	13.632
338.00	7.2810	1143.76	806.90	12.497	478.00	10.2874	1608.76	1132.83	13.646
340.00	7.3241	1150.20	811.35	12.516	480.00	10.3301	1615.55	1137.64	13.661
342.00	7.3673	1156.65	815.80	12.535	482.00	10.3728	1622.33	1142.44	13.675
344.00	7.4104	1163.11	820.26	12.554	484.00	10.4156	1629.12	1147.26	13.689
346.00	7.4535	1169.58	824.73	12.573	486.00	10.4583	1635.91	1152.07	13.703
348.00	7.4967	1176.05	829.21	12.591	488.00	10.5010	1642.71	1156.89	13.717
350.00	7.5398	1182.53	833.70	12.610	490.00	10.5438	1649.50	1161.70	13.731
352.00	7.5829	1189.02	838.19	12.628	492.00	10.5865	1656.30	1166.53	13.745
354.00	7.6261	1195.51	842.69	12.647	494.00	10.6293	1663.11	1171.35	13.758
356.00	7.6692	1202.01	847.20	12.665	496.00	10.6720	1669.91	1176.18	13.772
358.00	7.7123	1208.52	851.72	12.683	498.00	10.7148	1676.72	1181.01	13.786
360.00	7.7554	1215.04	856.24	12.702	500.00	10.7575	1683.54	1185.85	13.800
362.00	7.7985	1221.56	860.77	12.720	502.00	10.8003	1690.35	1190.68	13.813
364.00	7.8415	1228.08	865.30	12.738	504.00	10.8431	1697.17	1195.52	13.827
366.00	7.8846	1234.62	869.84	12.756	506.00	10.8859	1703.99	1200.37	13.840
368.00	7.9276	1241.16	874.39	12.773	508.00	10.9287	1710.82	1205.21	13.854
370.00	7.9707	1247.70	878.94	12.791	510.00	10.9715	1717.65	1210.06	13.867
372.00	8.0137	1254.25	883.51	12.809	512.00	11.0143	1724.48	1214.91	13.880
374.00	8.0567	1260.81	888.07	12.826	514.00	11.0571	1731.32	1219.77	13.894
376.00	8.0997	1267.38	892.65	12.844	516.00	11.1000	1738.16	1224.63	13.907
378.00	8.1428	1273.95	897.23	12.861	518.00	11.1428	1745.01	1229.49	13.920
380.00	8.1858	1280.53	901.82	12.879	520.00	11.1857	1751.85	1234.35	13.933
382.00	8.2288	1287.11	906.41	12.896	522.00	11.2285	1758.70	1239.22	13.946
384.00	8.2718	1293.70	911.01	12.913	524.00	11.2714	1765.55	1244.09	13.960
386.00	8.3148	1300.29	915.61	12.930	526.00	11.3143	1772.41	1248.96	13.973
388.00	8.3578	1306.90	920.23	12.947	528.00	11.3572	1779.27	1253.83	13.986
390.00	8.4008	1313.50	924.85	12.964	530.00	11.4001	1786.13	1258.71	13.998
392.00	8.4438	1320.12	929.47	12.981	532.00	11.4430	1793.00	1263.59	14.011
394.00	8.4868	1326.73	934.10	12.998	534.00	11.4859	1799.86	1268.47	14.024
396.00	8.5298	1333.36	938.74	13.015	536.00	11.5289	1806.73	1273.35	14.037
398.00	8.5727	1339.99	943.38	13.031	538.00	11.5718	1813.60	1278.24	14.050
400.00	8.6157	1346.63	948.03	13.048	540.00	11.6147	1820.48	1283.13	14.062

300.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
70.00	.6873	303.44	264.93	7.119
72.00	.7770	318.49	275.01	7.332
74.00	.8598	331.16	283.27	7.507
76.00	.9347	342.13	290.27	7.654
78.00	1.0021	351.94	296.42	7.782
80.00	1.0636	360.94	302.00	7.896
82.00	1.1209	369.39	307.19	8.000
84.00	1.1755	377.43	312.12	8.096
86.00	1.2289	385.18	316.87	8.187
88.00	1.2818	392.71	321.47	8.274
90.00	1.3345	400.03	325.94	8.356
92.00	1.3870	407.17	330.30	8.434
94.00	1.4389	414.14	334.55	8.509
96.00	1.4898	420.94	338.68	8.581
98.00	1.5391	427.59	342.70	8.650
100.00	1.5865	434.08	346.62	8.716
102.00	1.6315	440.44	350.45	8.779
104.00	1.6743	446.68	354.19	8.839
106.00	1.7150	452.81	357.87	8.898
108.00	1.7540	458.87	361.49	8.954
110.00	1.7920	464.86	365.08	9.009
112.00	1.8296	470.82	368.65	9.062
114.00	1.8676	476.75	372.21	9.114
116.00	1.9069	482.67	375.77	9.165
118.00	1.9479	488.58	379.35	9.215
120.00	1.9911	494.50	382.94	9.265
122.00	2.0368	500.43	386.54	9.314
124.00	2.0847	506.35	390.15	9.363
126.00	2.1346	512.27	393.77	9.411
128.00	2.1748	518.04	397.26	9.456
130.00	2.2148	523.78	400.75	9.500
132.00	2.2548	529.50	404.23	9.544
134.00	2.2947	535.21	407.69	9.587
136.00	2.3347	540.89	411.16	9.629
138.00	2.3748	546.57	414.61	9.670
140.00	2.4150	552.23	418.06	9.711
142.00	2.4554	557.88	421.51	9.752
144.00	2.4957	563.52	424.96	9.791
146.00	2.5349	569.15	428.41	9.830
148.00	2.5740	574.77	431.86	9.868
150.00	2.6130	580.39	435.30	9.906
152.00	2.6519	586.01	438.76	9.943
154.00	2.6907	591.62	442.21	9.980
156.00	2.7295	597.23	445.67	10.016
158.00	2.7683	602.84	449.13	10.052
160.00	2.8071	608.46	452.60	10.087
162.00	2.8458	614.07	456.08	10.122
164.00	2.8842	619.69	459.56	10.156
166.00	2.9225	625.31	463.05	10.190
168.00	2.9607	630.93	466.55	10.224
170.00	2.9989	636.56	470.06	10.257
172.00	3.0370	642.19	473.57	10.290
174.00	3.0751	647.83	477.10	10.323
176.00	3.1131	653.47	480.63	10.355
178.00	3.1511	659.12	484.18	10.387
180.00	3.1891	664.78	487.73	10.419
182.00	3.2269	670.45	491.30	10.450
184.00	3.2646	676.12	494.87	10.481
186.00	3.3023	681.80	498.46	10.512
188.00	3.3399	687.48	502.05	10.543
190.00	3.3774	693.17	505.66	10.573
192.00	3.4149	698.88	509.28	10.603
194.00	3.4523	704.58	512.91	10.632
196.00	3.4897	710.30	516.55	10.661
198.00	3.5270	716.03	520.20	10.690
200.00	3.5643	721.76	523.86	10.719
202.00	3.6015	727.51	527.54	10.748
204.00	3.6386	733.2[illegible]	531.23	10.776
206.00	3.6758	739.02	534.92	10.804
208.00	3.7129	744.79	538.64	10.832
210.00	3.7499	750.57	542.36	10.859
212.00	3.7870	756.36	546.09	10.886
214.00	3.8240	762.16	549.84	10.913
216.00	3.8609	767.97	553.60	10.940
218.00	3.8979	773.79	557.37	10.967
220.00	3.9348	779.62	561.16	10.993
222.00	3.9717	785.46	564.96	11.019
224.00	4.0086	791.32	568.77	11.046
226.00	4.0454	797.18	572.59	11.071
228.00	4.0821	803.07	576.43	11.097
230.00	4.1188	808.96	580.28	11.123
232.00	4.1555	814.87	584.15	11.149
234.00	4.1922	820.78	588.03	11.174
236.00	4.2288	826.71	591.92	11.199
238.00	4.2655	832.66	595.83	11.224
240.00	4.3021	838.61	599.74	11.249
242.00	4.3387	844.58	603.68	11.274
244.00	4.3753	850.56	607.62	11.299
246.00	4.4119	856.55	611.58	11.323
248.00	4.4485	862.55	615.55	11.348
250.00	4.4851	868.57	619.53	11.372
252.00	4.5217	874.60	623.53	11.396
254.00	4.5583	880.63	627.54	11.420
256.00	4.5949	886.69	631.56	11.444
258.00	4.6315	892.75	635.59	11.468
260.00	4.6681	898.83	639.64	11.492

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	4.7047	904.91	643.70	11.515	402.00	7.2323	1353.50	951.98	12.883
264.00	4.7413	911.01	647.77	11.538	404.00	7.2682	1360.15	956.64	12.900
266.00	4.7779	917.12	651.85	11.562	406.00	7.3040	1366.81	961.31	12.916
268.00	4.8144	923.24	655.95	11.585	408.00	7.3399	1373.48	965.99	12.933
270.00	4.8510	929.37	660.06	11.608	410.00	7.3757	1380.15	970.67	12.949
272.00	4.8874	935.51	664.17	11.630	412.00	7.4116	1386.83	975.35	12.965
274.00	4.9238	941.66	668.30	11.653	414.00	7.4474	1393.51	980.05	12.981
276.00	4.9602	947.82	672.44	11.676	416.00	7.4833	1400.20	984.74	12.997
278.00	4.9966	953.99	676.60	11.698	418.00	7.5191	1406.89	989.45	13.013
280.00	5.0329	960.18	680.76	11.720	420.00	7.5549	1413.59	994.16	13.029
282.00	5.0693	966.37	684.93	11.742	422.00	7.5908	1420.29	998.87	13.045
284.00	5.1056	972.57	689.12	11.764	424.00	7.6266	1426.99	1003.59	13.061
286.00	5.1419	978.78	693.32	11.786	426.00	7.6624	1433.70	1008.31	13.077
288.00	5.1782	985.01	697.53	11.808	428.00	7.6982	1440.42	1013.03	13.092
290.00	5.2145	991.24	701.74	11.829	430.00	7.7340	1447.14	1017.76	13.108
292.00	5.2508	997.48	705.97	11.851	432.00	7.7698	1453.86	1022.50	13.124
294.00	5.2870	1003.74	710.21	11.872	434.00	7.8056	1460.58	1027.24	13.139
296.00	5.3233	1010.00	714.46	11.893	436.00	7.8414	1467.31	1031.98	13.155
298.00	5.3595	1016.27	718.73	11.914	438.00	7.8771	1474.05	1036.73	13.170
300.00	5.3957	1022.56	723.00	11.935	440.00	7.9129	1480.78	1041.48	13.185
302.00	5.4319	1028.85	727.28	11.956	442.00	7.9487	1487.52	1046.23	13.201
304.00	5.4681	1035.15	731.57	11.977	444.00	7.9844	1494.26	1050.99	13.216
306.00	5.5043	1041.46	735.87	11.998	446.00	8.0202	1501.01	1055.75	13.231
308.00	5.5405	1047.78	740.19	12.018	448.00	8.0559	1507.75	1060.51	13.246
310.00	5.5767	1054.11	744.51	12.039	450.00	8.0917	1514.50	1065.28	13.261
312.00	5.6128	1060.45	748.84	12.059	452.00	8.1274	1521.26	1070.05	13.276
314.00	5.6490	1066.80	753.18	12.079	454.00	8.1631	1528.01	1074.82	13.291
316.00	5.6851	1073.16	757.53	12.099	456.00	8.1988	1534.77	1079.59	13.306
318.00	5.7212	1079.52	761.89	12.119	458.00	8.2345	1541.53	1084.37	13.321
320.00	5.7573	1085.90	766.26	12.139	460.00	8.2702	1548.29	1089.15	13.335
322.00	5.7934	1092.28	770.64	12.159	462.00	8.3059	1555.06	1093.94	13.350
324.00	5.8295	1098.67	775.03	12.179	464.00	8.3416	1561.83	1098.73	13.365
326.00	5.8656	1105.08	779.43	12.199	466.00	8.3773	1568.60	1103.52	13.379
328.00	5.9017	1111.48	783.83	12.218	468.00	8.4130	1575.37	1108.31	13.394
330.00	5.9378	1117.90	788.25	12.238	470.00	8.4487	1582.15	1113.11	13.408
332.00	5.9738	1124.33	792.67	12.257	472.00	8.4843	1588.93	1117.90	13.423
334.00	6.0099	1130.76	797.10	12.277	474.00	8.5200	1595.71	1122.71	13.437
336.00	6.0459	1137.20	801.54	12.296	476.00	8.5557	1602.49	1127.51	13.451
338.00	6.0820	1143.65	805.99	12.315	478.00	8.5913	1609.28	1132.32	13.466
340.00	6.1180	1150.11	810.44	12.334	480.00	8.6270	1616.07	1137.13	13.480
342.00	6.1541	1156.57	814.91	12.353	482.00	8.6626	1622.86	1141.94	13.494
344.00	6.1901	1163.04	819.38	12.372	484.00	8.6983	1629.65	1146.75	13.508
346.00	6.2261	1169.52	823.86	12.391	486.00	8.7340	1636.45	1151.57	13.522
348.00	6.2621	1176.00	828.34	12.409	488.00	8.7696	1643.25	1156.39	13.536
350.00	6.2982	1182.50	832.84	12.428	490.00	8.8053	1650.05	1161.21	13.550
352.00	6.3342	1189.00	837.34	12.446	492.00	8.8409	1656.86	1166.04	13.564
354.00	6.3702	1195.50	841.85	12.465	494.00	8.8766	1663.67	1170.87	13.578
356.00	6.4062	1202.02	846.36	12.483	496.00	8.9123	1670.48	1175.70	13.592
358.00	6.4422	1208.54	850.88	12.502	498.00	8.9479	1677.30	1180.53	13.605
360.00	6.4782	1215.06	855.41	12.520	500.00	8.9836	1684.11	1185.37	13.619
362.00	6.5141	1221.59	859.95	12.538	502.00	9.0193	1690.94	1190.21	13.633
364.00	6.5501	1228.13	864.49	12.556	504.00	9.0550	1697.76	1195.05	13.646
366.00	6.5860	1234.67	869.04	12.574	506.00	9.0907	1704.59	1199.90	13.660
368.00	6.6220	1241.22	873.59	12.592	508.00	9.1264	1711.42	1204.75	13.673
370.00	6.6579	1247.78	878.15	12.609	510.00	9.1621	1718.25	1209.60	13.687
372.00	6.6938	1254.34	882.72	12.627	512.00	9.1978	1725.09	1214.45	13.700
374.00	6.7298	1260.91	887.29	12.645	514.00	9.2335	1731.93	1219.31	13.713
376.00	6.7657	1267.49	891.87	12.662	516.00	9.2692	1738.77	1224.17	13.727
378.00	6.8016	1274.07	896.46	12.680	518.00	9.3050	1745.62	1229.03	13.740
380.00	6.8375	1280.65	901.05	12.697	520.00	9.3407	1752.47	1233.90	13.753
382.00	6.8734	1287.25	905.65	12.714	522.00	9.3764	1759.33	1238.77	13.766
384.00	6.9093	1293.85	910.26	12.732	524.00	9.4122	1766.18	1243.64	13.779
386.00	6.9452	1300.45	914.87	12.749	526.00	9.4480	1773.04	1248.51	13.792
388.00	6.9811	1307.06	919.49	12.766	528.00	9.4837	1779.90	1253.39	13.805
390.00	7.0170	1313.68	924.11	12.783	530.00	9.5195	1786.77	1258.27	13.818
392.00	7.0529	1320.30	928.74	12.800	532.00	9.5553	1793.63	1263.15	13.831
394.00	7.0888	1326.93	933.38	12.817	534.00	9.5910	1800.50	1268.03	13.844
396.00	7.1247	1333.56	938.02	12.833	536.00	9.6268	1807.37	1272.92	13.857
398.00	7.1606	1340.20	942.67	12.850	538.00	9.6626	1814.25	1277.81	13.869
400.00	7.1964	1346.85	947.32	12.867	540.00	9.6984	1821.12	1282.70	13.882

350.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
70.00	.5177	280.55	246.70	6.712
72.00	.5957	298.45	259.54	6.965
74.00	.6701	313.49	269.94	7.172
76.00	.7391	326.44	278.60	7.346
78.00	.8022	337.89	286.05	7.496
80.00	.8600	348.24	292.65	7.627
82.00	.9136	357.79	298.66	7.745
84.00	.9643	366.76	304.25	7.852
86.00	1.0133	375.28	309.55	7.952
88.00	1.0615	383.44	314.61	8.045
90.00	1.1091	391.31	319.47	8.133
92.00	1.1563	398.93	324.17	8.217
94.00	1.2028	406.31	328.72	8.296
96.00	1.2484	413.49	333.12	8.372
98.00	1.2925	420.47	337.38	8.444
100.00	1.3348	427.29	341.51	8.514
102.00	1.3750	433.94	345.53	8.580
104.00	1.4131	440.46	349.46	8.643
106.00	1.4491	446.86	353.29	8.704
108.00	1.4836	453.16	357.07	8.763
110.00	1.5170	459.39	360.80	8.821
112.00	1.5501	465.57	364.50	8.876
114.00	1.5834	471.70	368.18	8.930
116.00	1.6178	477.81	371.87	8.983
118.00	1.6537	483.90	375.56	9.035
120.00	1.6917	489.99	379.26	9.086
122.00	1.7318	496.06	382.97	9.136
124.00	1.7741	502.12	386.69	9.185
126.00	1.8182	508.17	390.40	9.234
128.00	1.8530	514.06	393.98	9.280
130.00	1.8877	519.92	397.54	9.325
132.00	1.9223	525.76	401.09	9.370
134.00	1.9570	531.57	404.63	9.413
136.00	1.9918	537.37	408.16	9.456
138.00	2.0268	543.14	411.68	9.499
140.00	2.0621	548.90	415.19	9.540
142.00	2.0976	554.64	418.70	9.581
144.00	2.1332	560.37	422.20	9.621
146.00	2.1672	566.08	425.70	9.661
148.00	2.2011	571.79	429.20	9.700
150.00	2.2350	577.49	432.70	9.738
152.00	2.2687	583.18	436.19	9.775
154.00	2.3025	588.87	439.70	9.813
156.00	2.3362	594.55	443.20	9.849
158.00	2.3699	600.24	446.71	9.885
160.00	2.4036	605.92	450.23	9.921
162.00	2.4372	611.61	453.75	9.957
164.00	2.4705	617.29	457.27	9.991
166.00	2.5036	622.97	460.81	10.026
168.00	2.5367	628.66	464.34	10.060
170.00	2.5697	634.34	467.89	10.094
172.00	2.6027	640.03	471.44	10.127
174.00	2.6356	645.73	475.01	10.160
176.00	2.6684	651.42	478.58	10.192
178.00	2.7012	657.13	482.16	10.225
180.00	2.7340	662.84	485.75	10.256
182.00	2.7666	668.55	489.35	10.288
184.00	2.7992	674.27	492.96	10.319
186.00	2.8317	679.99	496.58	10.350
188.00	2.8641	685.72	500.21	10.381
190.00	2.8964	691.46	503.84	10.411
192.00	2.9287	697.20	507.49	10.441
194.00	2.9610	702.95	511.14	10.471
196.00	2.9932	708.71	514.81	10.500
198.00	3.0254	714.48	518.49	10.529
200.00	3.0575	720.25	522.17	10.558
202.00	3.0896	726.03	525.87	10.587
204.00	3.1217	731.82	529.58	10.615
206.00	3.1538	737.61	533.30	10.644
208.00	3.1859	743.42	537.03	10.672
210.00	3.2179	749.23	540.77	10.699
212.00	3.2499	755.06	544.52	10.727
214.00	3.2819	760.89	548.28	10.754
216.00	3.3139	766.73	552.05	10.781
218.00	3.3459	772.59	555.84	10.808
220.00	3.3779	778.45	559.64	10.835
222.00	3.4099	784.32	563.45	10.861
224.00	3.4419	790.20	567.27	10.887
226.00	3.4737	796.10	571.10	10.913
228.00	3.5055	802.01	574.96	10.939
230.00	3.5372	807.93	578.82	10.965
232.00	3.5688	813.86	582.70	10.991
234.00	3.6005	819.81	586.59	11.016
236.00	3.6321	825.76	590.50	11.042
238.00	3.6637	831.73	594.42	11.067
240.00	3.6953	837.71	598.35	11.092
242.00	3.7269	843.70	602.29	11.117
244.00	3.7584	849.70	606.25	11.142
246.00	3.7900	855.71	610.22	11.166
248.00	3.8215	861.74	614.20	11.191
250.00	3.8530	867.78	618.20	11.215
252.00	3.8845	873.83	622.21	11.240
254.00	3.9160	879.89	626.23	11.264
256.00	3.9474	885.96	630.27	11.288
258.00	3.9789	892.04	634.31	11.311
260.00	4.0103	898.14	638.37	11.335

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	4.0418	904.24	642.45	11.359	402.00	6.2135	1353.74	951.29	12.730
264.00	4.0732	910.36	646.53	11.382	404.00	6.2443	1360.40	955.96	12.746
266.00	4.1046	916.49	650.63	11.405	406.00	6.2751	1367.07	960.63	12.763
268.00	4.1360	922.63	654.73	11.429	408.00	6.3059	1373.75	965.31	12.779
270.00	4.1674	928.78	658.85	11.452	410.00	6.3367	1380.42	970.00	12.795
272.00	4.1987	934.94	662.98	11.474	412.00	6.3674	1387.11	974.69	12.812
274.00	4.2300	941.10	667.12	11.497	414.00	6.3982	1393.80	979.39	12.828
276.00	4.2613	947.28	671.27	11.520	416.00	6.4290	1400.49	984.09	12.844
278.00	4.2925	953.47	675.44	11.542	418.00	6.4597	1407.20	988.80	12.860
280.00	4.3238	959.67	679.61	11.564	420.00	6.4905	1413.90	993.51	12.876
282.00	4.3551	965.88	683.79	11.586	422.00	6.5212	1420.61	998.23	12.892
284.00	4.3863	972.10	687.99	11.608	424.00	6.5520	1427.33	1002.95	12.908
286.00	4.4175	978.33	692.20	11.630	426.00	6.5827	1434.04	1007.68	12.923
288.00	4.4487	984.57	696.41	11.652	428.00	6.6134	1440.77	1012.41	12.939
290.00	4.4799	990.82	700.64	11.674	430.00	6.6442	1447.49	1017.15	12.955
292.00	4.5111	997.07	704.88	11.695	432.00	6.6749	1454.22	1021.89	12.970
294.00	4.5423	1003.34	709.13	11.717	434.00	6.7056	1460.95	1026.63	12.986
296.00	4.5735	1009.62	713.39	11.738	436.00	6.7363	1467.69	1031.38	13.001
298.00	4.6047	1015.91	717.66	11.759	438.00	6.7670	1474.43	1036.13	13.017
300.00	4.6358	1022.21	721.94	11.780	440.00	6.7977	1481.17	1040.88	13.032
302.00	4.6670	1028.51	726.23	11.801	442.00	6.8284	1487.92	1045.64	13.047
304.00	4.6981	1034.83	730.53	11.822	444.00	6.8591	1494.67	1050.40	13.063
306.00	4.7292	1041.15	734.84	11.842	446.00	6.8898	1501.42	1055.17	13.078
308.00	4.7603	1047.49	739.16	11.863	448.00	6.9204	1508.18	1059.94	13.093
310.00	4.7914	1053.83	743.49	11.884	450.00	6.9511	1514.93	1064.71	13.108
312.00	4.8225	1060.19	747.83	11.904	452.00	6.9818	1521.69	1069.48	13.123
314.00	4.8536	1066.55	752.18	11.924	454.00	7.0124	1528.46	1074.26	13.138
316.00	4.8846	1072.92	756.54	11.945	456.00	7.0431	1535.22	1079.04	13.153
318.00	4.9157	1079.30	760.91	11.965	458.00	7.0737	1541.99	1083.82	13.168
320.00	4.9467	1085.69	765.29	11.985	460.00	7.1044	1548.76	1088.61	13.182
322.00	4.9777	1092.09	769.68	12.005	462.00	7.1350	1555.53	1093.40	13.197
324.00	5.0088	1098.49	774.07	12.024	464.00	7.1656	1562.31	1098.19	13.212
326.00	5.0398	1104.91	778.48	12.044	466.00	7.1963	1569.09	1102.98	13.226
328.00	5.0708	1111.33	782.89	12.064	468.00	7.2269	1575.87	1107.78	13.241
330.00	5.1018	1117.76	787.31	12.083	470.00	7.2575	1582.65	1112.58	13.255
332.00	5.1328	1124.20	791.74	12.103	472.00	7.2881	1589.43	1117.38	13.270
334.00	5.1638	1130.64	796.18	12.122	474.00	7.3187	1596.22	1122.19	13.284
336.00	5.1947	1137.10	800.63	12.141	476.00	7.3493	1603.01	1126.99	13.299
338.00	5.2257	1143.56	805.08	12.161	478.00	7.3799	1609.80	1131.80	13.313
340.00	5.2567	1150.03	809.55	12.180	480.00	7.4105	1616.60	1136.62	13.327
342.00	5.2876	1156.50	814.02	12.199	482.00	7.4411	1623.40	1141.43	13.341
344.00	5.3186	1162.99	818.50	12.218	484.00	7.4717	1630.20	1146.25	13.355
346.00	5.3495	1169.48	822.98	12.236	486.00	7.5023	1637.00	1151.07	13.369
348.00	5.3804	1175.97	827.48	12.255	488.00	7.5329	1643.80	1155.90	13.383
350.00	5.4114	1182.48	831.98	12.274	490.00	7.5635	1650.61	1160.72	13.397
352.00	5.4423	1188.99	836.49	12.292	492.00	7.5941	1657.42	1165.55	13.411
354.00	5.4732	1195.51	841.00	12.311	494.00	7.6248	1664.24	1170.38	13.425
356.00	5.5041	1202.03	845.53	12.329	496.00	7.6554	1671.05	1175.22	13.439
358.00	5.5351	1208.56	850.06	12.347	498.00	7.6860	1677.87	1180.05	13.453
360.00	5.5660	1215.10	854.59	12.366	500.00	7.7166	1684.70	1184.89	13.466
362.00	5.5968	1221.64	859.13	12.384	502.00	7.7472	1691.52	1189.73	13.480
364.00	5.6277	1228.19	863.68	12.402	504.00	7.7778	1698.35	1194.58	13.493
366.00	5.6586	1234.75	868.24	12.420	506.00	7.8084	1705.18	1199.43	13.507
368.00	5.6895	1241.31	872.80	12.438	508.00	7.8391	1712.02	1204.28	13.520
370.00	5.7203	1247.87	877.36	12.455	510.00	7.8697	1718.86	1209.13	13.534
372.00	5.7512	1254.45	881.94	12.473	512.00	7.9003	1725.70	1213.99	13.547
374.00	5.7820	1261.02	886.52	12.491	514.00	7.9310	1732.54	1218.85	13.561
376.00	5.8129	1267.61	891.11	12.508	516.00	7.9616	1739.39	1223.71	13.574
378.00	5.8437	1274.20	895.70	12.526	518.00	7.9922	1746.24	1228.58	13.587
380.00	5.8746	1280.80	900.30	12.543	520.00	8.0229	1753.09	1233.45	13.600
382.00	5.9054	1287.40	904.90	12.561	522.00	8.0535	1759.95	1238.32	13.613
384.00	5.9363	1294.01	909.51	12.578	524.00	8.0842	1766.81	1243.19	13.626
386.00	5.9671	1300.62	914.13	12.595	526.00	8.1149	1773.67	1248.07	13.639
388.00	5.9979	1307.24	918.76	12.612	528.00	8.1455	1780.54	1252.95	13.652
390.00	6.0287	1313.87	923.39	12.629	530.00	8.1762	1787.41	1257.83	13.665
392.00	6.0595	1320.50	928.02	12.646	532.00	8.2069	1794.28	1262.71	13.678
394.00	6.0903	1327.14	932.66	12.663	534.00	8.2375	1801.15	1267.60	13.691
396.00	6.1212	1333.78	937.31	12.680	536.00	8.2682	1808.02	1272.49	13.704
398.00	6.1520	1340.43	941.96	12.696	538.00	8.2989	1814.90	1277.38	13.717
400.00	6.1828	1347.08	946.62	12.713	540.00	8.3296	1821.78	1282.27	13.729

400.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
70.00	.4322	264.66	232.77	6.425
72.00	.4882	281.61	245.56	6.664
74.00	.5451	296.98	256.66	6.875
76.00	.6016	310.94	266.40	7.062
78.00	.6569	323.66	275.01	7.227
80.00	.7103	335.32	282.73	7.375
82.00	.7613	346.06	289.71	7.508
84.00	.8098	356.04	296.10	7.628
86.00	.8559	365.37	302.02	7.737
88.00	.8999	374.17	307.56	7.838
90.00	.9421	382.53	312.79	7.931
92.00	.9828	390.53	317.78	8.018
94.00	1.0223	398.25	322.56	8.101
96.00	1.0610	405.74	327.17	8.180
98.00	1.0990	413.03	331.65	8.255
100.00	1.1365	420.17	336.02	8.327
102.00	1.1735	427.17	340.28	8.397
104.00	1.2101	434.06	344.47	8.464
106.00	1.2463	440.84	348.58	8.530
108.00	1.2821	447.53	352.63	8.593
110.00	1.3174	454.13	356.62	8.654
112.00	1.3521	460.64	360.56	8.713
114.00	1.3864	467.07	364.45	8.770
116.00	1.4201	473.42	368.30	8.825
118.00	1.4533	479.69	372.12	8.879
120.00	1.4860	485.90	375.89	8.931
122.00	1.5183	492.03	379.64	8.981
124.00	1.5502	498.11	383.36	9.030
126.00	1.5818	504.14	387.05	9.077
128.00	1.6127	510.16	390.71	9.125
130.00	1.6435	516.14	394.35	9.171
132.00	1.6742	522.09	397.97	9.216
134.00	1.7050	528.01	401.57	9.261
136.00	1.7359	533.91	405.17	9.305
138.00	1.7671	539.78	408.75	9.348
140.00	1.7985	545.63	412.32	9.390
142.00	1.8302	551.46	415.89	9.431
144.00	1.8620	557.28	419.45	9.472
146.00	1.8921	563.07	422.99	9.512
148.00	1.9222	568.86	426.54	9.552
150.00	1.9521	574.63	430.09	9.590
152.00	1.9820	580.40	433.63	9.629
154.00	2.0119	586.16	437.18	9.666
156.00	2.0418	591.92	440.73	9.703
158.00	2.0716	597.68	444.29	9.740
160.00	2.1015	603.43	447.85	9.776
162.00	2.1314	609.18	451.41	9.812
164.00	2.1608	614.93	454.98	9.847
166.00	2.1901	620.67	458.55	9.882
168.00	2.2193	626.42	462.13	9.916
170.00	2.2485	632.16	465.71	9.950
172.00	2.2776	637.91	469.30	9.984
174.00	2.3066	643.66	472.90	10.017
176.00	2.3357	649.42	476.51	10.050
178.00	2.3647	655.17	480.13	10.082
180.00	2.3936	660.94	483.75	10.115
182.00	2.4224	666.70	487.38	10.146
184.00	2.4511	672.47	491.02	10.178
186.00	2.4797	678.24	494.67	10.209
188.00	2.5083	684.02	498.33	10.240
190.00	2.5369	689.80	501.99	10.270
192.00	2.5653	695.59	505.67	10.301
194.00	2.5938	701.38	509.35	10.331
196.00	2.6221	707.18	513.04	10.360
198.00	2.6505	712.98	516.74	10.390
200.00	2.6788	718.79	520.45	10.419
202.00	2.7071	724.61	524.17	10.448
204.00	2.7353	730.44	527.90	10.476
206.00	2.7636	736.27	531.64	10.505
208.00	2.7918	742.11	535.39	10.533
210.00	2.8200	747.95	539.15	10.561
212.00	2.8482	753.81	542.92	10.588
214.00	2.8764	759.67	546.70	10.616
216.00	2.9045	765.54	550.50	10.643
218.00	2.9327	771.43	554.30	10.670
220.00	2.9609	777.32	558.11	10.696
222.00	2.9891	783.22	561.94	10.723
224.00	3.0172	789.12	565.77	10.749
226.00	3.0453	795.05	569.63	10.776
228.00	3.0731	800.98	573.49	10.802
230.00	3.1010	806.93	577.37	10.828
232.00	3.1289	812.88	581.27	10.853
234.00	3.1567	818.85	585.17	10.879
236.00	3.1845	824.83	589.09	10.905
238.00	3.2123	830.82	593.02	10.930
240.00	3.2400	836.82	596.97	10.955
242.00	3.2678	842.84	600.92	10.980
244.00	3.2955	848.86	604.89	11.005
246.00	3.3232	854.90	608.88	11.030
248.00	3.3509	860.94	612.87	11.054
250.00	3.3786	867.00	616.88	11.079
252.00	3.4063	873.07	620.91	11.103
254.00	3.4340	879.15	624.94	11.127
256.00	3.4616	885.25	628.99	11.151
258.00	3.4893	891.35	633.05	11.175
260.00	3.5169	897.47	637.12	11.199

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	3.5445	903.59	641.20	11.223	402.00	5.4495	1353.99	950.60	12.597
264.00	3.5721	909.73	645.30	11.246	404.00	5.4765	1360.66	955.27	12.613
266.00	3.5997	915.88	649.41	11.270	406.00	5.5035	1367.34	959.95	12.630
268.00	3.6273	922.04	653.53	11.293	408.00	5.5305	1374.02	964.64	12.646
270.00	3.6549	928.21	657.66	11.316	410.00	5.5574	1380.71	969.33	12.662
272.00	3.6824	934.38	661.80	11.339	412.00	5.5844	1387.40	974.03	12.679
274.00	3.7099	940.57	665.95	11.361	414.00	5.6114	1394.10	978.73	12.695
276.00	3.7373	946.76	670.11	11.384	416.00	5.6383	1400.81	983.44	12.711
278.00	3.7648	952.97	674.28	11.407	418.00	5.6653	1407.51	988.15	12.727
280.00	3.7922	959.18	678.47	11.429	420.00	5.6922	1414.23	992.87	12.743
282.00	3.8197	965.41	682.66	11.451	422.00	5.7192	1420.95	997.60	12.759
284.00	3.8471	971.65	686.87	11.473	424.00	5.7461	1427.67	1002.32	12.775
286.00	3.8745	977.89	691.08	11.495	426.00	5.7730	1434.39	1007.05	12.790
288.00	3.9019	984.15	695.31	11.517	428.00	5.7999	1441.12	1011.79	12.806
290.00	3.9293	990.41	699.55	11.539	430.00	5.8269	1447.86	1016.53	12.822
292.00	3.9567	996.69	703.80	11.560	432.00	5.8538	1454.59	1021.28	12.838
294.00	3.9840	1002.97	708.05	11.582	434.00	5.8807	1461.34	1026.03	12.853
296.00	4.0114	1009.27	712.32	11.603	436.00	5.9076	1468.08	1030.78	12.869
298.00	4.0388	1015.57	716.60	11.624	438.00	5.9345	1474.83	1035.54	12.884
300.00	4.0661	1021.88	720.89	11.645	440.00	5.9614	1481.58	1040.30	12.899
302.00	4.0934	1028.20	725.19	11.666	442.00	5.9883	1488.33	1045.06	12.915
304.00	4.1208	1034.53	729.50	11.687	444.00	6.0151	1495.09	1049.83	12.930
306.00	4.1481	1040.87	733.82	11.708	446.00	6.0420	1501.85	1054.60	12.945
308.00	4.1754	1047.22	738.15	11.728	448.00	6.0689	1508.61	1059.37	12.960
310.00	4.2027	1053.58	742.49	11.749	450.00	6.0958	1515.37	1064.14	12.975
312.00	4.2299	1059.95	746.84	11.769	452.00	6.1226	1522.14	1068.92	12.990
314.00	4.2572	1066.33	751.20	11.790	454.00	6.1495	1528.91	1073.71	13.005
316.00	4.2844	1072.71	755.56	11.810	456.00	6.1763	1535.68	1078.49	13.020
318.00	4.3117	1079.11	759.94	11.830	458.00	6.2032	1542.46	1083.28	13.035
320.00	4.3389	1085.51	764.33	11.850	460.00	6.2300	1549.23	1088.07	13.050
322.00	4.3661	1091.92	768.72	11.870	462.00	6.2569	1556.01	1092.86	13.064
324.00	4.3933	1098.34	773.13	11.890	464.00	6.2837	1562.79	1097.66	13.079
326.00	4.4205	1104.77	777.54	11.910	466.00	6.3105	1569.58	1102.45	13.094
328.00	4.4477	1111.20	781.96	11.930	468.00	6.3374	1576.36	1107.26	13.108
330.00	4.4749	1117.64	786.39	11.949	470.00	6.3642	1583.15	1112.06	13.123
332.00	4.5021	1124.09	790.83	11.969	472.00	6.3910	1589.95	1116.87	13.137
334.00	4.5292	1130.55	795.28	11.988	474.00	6.4178	1596.74	1121.67	13.152
336.00	4.5564	1137.02	799.73	12.007	476.00	6.4446	1603.53	1126.49	13.166
338.00	4.5836	1143.49	804.19	12.026	478.00	6.4714	1610.33	1131.30	13.180
340.00	4.6107	1149.97	808.66	12.046	480.00	6.4982	1617.13	1136.11	13.194
342.00	4.6379	1156.46	813.14	12.065	482.00	6.5251	1623.94	1140.93	13.209
344.00	4.6650	1162.95	817.63	12.084	484.00	6.5519	1630.74	1145.76	13.223
346.00	4.6921	1169.45	822.12	12.102	486.00	6.5787	1637.55	1150.58	13.237
348.00	4.7193	1175.96	826.62	12.121	488.00	6.6055	1644.36	1155.41	13.251
350.00	4.7464	1182.48	831.13	12.140	490.00	6.6323	1651.18	1160.23	13.265
352.00	4.7735	1189.00	835.65	12.158	492.00	6.6591	1657.99	1165.07	13.279
354.00	4.8006	1195.53	840.17	12.177	494.00	6.6859	1664.81	1169.90	13.293
356.00	4.8277	1202.06	844.70	12.195	496.00	6.7127	1671.63	1174.74	13.306
358.00	4.8548	1208.61	849.23	12.214	498.00	6.7395	1678.46	1179.58	13.320
360.00	4.8819	1215.15	853.78	12.232	500.00	6.7663	1685.28	1184.42	13.334
362.00	4.9090	1221.71	858.32	12.250	502.00	6.7931	1692.12	1189.27	13.347
364.00	4.9361	1228.26	862.88	12.268	504.00	6.8200	1698.95	1194.11	13.361
366.00	4.9631	1234.83	867.44	12.286	506.00	6.8468	1705.79	1198.97	13.375
368.00	4.9902	1241.40	872.01	12.304	508.00	6.8736	1712.62	1203.82	13.388
370.00	5.0173	1247.98	876.58	12.322	510.00	6.9004	1719.47	1208.68	13.401
372.00	5.0443	1254.56	881.16	12.340	512.00	6.9272	1726.31	1213.54	13.415
374.00	5.0714	1261.15	885.75	12.357	514.00	6.9541	1733.16	1218.40	13.428
376.00	5.0984	1267.74	890.34	12.375	516.00	6.9809	1740.01	1223.26	13.441
378.00	5.1254	1274.34	894.94	12.392	518.00	7.0077	1746.87	1228.13	13.455
380.00	5.1525	1280.95	899.55	12.410	520.00	7.0346	1753.72	1233.00	13.468
382.00	5.1795	1287.56	904.16	12.427	522.00	7.0614	1760.58	1237.88	13.481
384.00	5.2065	1294.18	908.77	12.444	524.00	7.0882	1767.45	1242.75	13.494
386.00	5.2335	1300.80	913.40	12.462	526.00	7.1151	1774.31	1247.63	13.507
388.00	5.2606	1307.43	918.03	12.479	528.00	7.1419	1781.18	1252.51	13.520
390.00	5.2876	1314.07	922.66	12.496	530.00	7.1688	1788.05	1257.40	13.533
392.00	5.3146	1320.71	927.30	12.513	532.00	7.1956	1794.93	1262.28	13.546
394.00	5.3416	1327.35	931.95	12.530	534.00	7.2225	1801.80	1267.17	13.559
396.00	5.3686	1334.00	936.60	12.546	536.00	7.2493	1808.68	1272.06	13.572
398.00	5.3956	1340.66	941.26	12.563	538.00	7.2762	1815.56	1276.95	13.584
400.00	5.4226	1347.32	945.93	12.580	540.00	7.3030	1822.44	1281.85	13.597

450.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
76.00	.5092	297.40	254.97	6.816
78.00	.5570	310.92	264.47	6.992
80.00	.6038	323.33	272.99	7.149
82.00	.6493	334.80	280.72	7.291
84.00	.6932	345.48	287.77	7.419
86.00	.7353	355.49	294.29	7.537
88.00	.7758	364.93	300.35	7.645
90.00	.8148	373.89	306.04	7.746
92.00	.8524	382.44	311.42	7.840
94.00	.8889	390.65	316.55	7.928
96.00	.9245	398.58	321.48	8.011
98.00	.9594	406.25	326.23	8.090
100.00	.9937	413.72	330.83	8.166
102.00	1.0275	421.00	335.32	8.238
104.00	1.0609	428.13	339.69	8.308
106.00	1.0939	435.13	343.98	8.374
108.00	1.1265	442.00	348.19	8.439
110.00	1.1587	448.77	352.33	8.501
112.00	1.1904	455.45	356.41	8.561
114.00	1.2216	462.04	360.44	8.619
116.00	1.2523	468.55	364.41	8.676
118.00	1.2825	474.99	368.34	8.731
120.00	1.3122	481.37	372.22	8.784
122.00	1.3415	487.68	376.07	8.836
124.00	1.3703	493.94	379.89	8.887
126.00	1.3988	500.15	383.67	8.937
128.00	1.4270	506.31	387.42	8.985
130.00	1.4550	512.43	391.15	9.032
132.00	1.4830	518.50	394.85	9.079
134.00	1.5109	524.54	398.54	9.124
136.00	1.5389	530.54	402.20	9.169
138.00	1.5669	536.52	405.85	9.212
140.00	1.5951	542.46	409.49	9.255
142.00	1.6234	548.38	413.11	9.298
144.00	1.6517	554.28	416.73	9.339
146.00	1.6788	560.16	420.33	9.380
148.00	1.7059	566.02	423.93	9.419
150.00	1.7328	571.87	427.52	9.459
152.00	1.7597	577.70	431.11	9.497
154.00	1.7865	583.53	434.69	9.535
156.00	1.8134	589.35	438.28	9.573
158.00	1.8402	595.17	441.87	9.610
160.00	1.8671	600.98	445.47	9.646
162.00	1.8940	606.79	449.07	9.683
164.00	1.9204	612.60	452.67	9.718
166.00	1.9467	618.40	456.28	9.753
168.00	1.9729	624.20	459.90	9.788
170.00	1.9991	630.01	463.52	9.822
172.00	2.0252	635.82	467.15	9.856
174.00	2.0513	641.63	470.79	9.890
176.00	2.0773	647.45	474.44	9.923
178.00	2.1033	653.27	478.10	9.956
180.00	2.1293	659.10	481.78	9.988
182.00	2.1551	664.92	485.45	10.020
184.00	2.1808	670.74	489.13	10.052
186.00	2.2065	676.57	492.81	10.084
188.00	2.2321	682.40	496.51	10.115
190.00	2.2576	688.24	500.21	10.146
192.00	2.2831	694.08	503.92	10.176
194.00	2.3086	699.92	507.64	10.206
196.00	2.3340	705.76	511.36	10.236
198.00	2.3593	711.61	515.09	10.266
200.00	2.3846	717.46	518.83	10.295
202.00	2.4099	723.32	522.57	10.324
204.00	2.4352	729.18	526.33	10.353
206.00	2.4605	735.04	530.08	10.381
208.00	2.4857	740.91	533.85	10.410
210.00	2.5109	746.79	537.63	10.438
212.00	2.5361	752.67	541.41	10.465
214.00	2.5613	758.55	545.20	10.493
216.00	2.5865	764.44	549.00	10.520
218.00	2.6117	770.34	552.81	10.547
220.00	2.6368	776.24	556.63	10.574
222.00	2.6620	782.16	560.45	10.601
224.00	2.6872	788.08	564.29	10.627
226.00	2.7122	794.02	568.15	10.653
228.00	2.7371	799.97	572.03	10.680
230.00	2.7620	805.94	575.92	10.706
232.00	2.7869	811.92	579.82	10.732
234.00	2.8117	817.90	583.74	10.757
236.00	2.8365	823.90	587.67	10.783
238.00	2.8613	829.91	591.61	10.808
240.00	2.8861	835.94	595.57	10.833
242.00	2.9109	841.97	599.54	10.859
244.00	2.9356	848.01	603.52	10.884
246.00	2.9604	854.07	607.51	10.908
248.00	2.9851	860.14	611.52	10.933
250.00	3.0098	866.22	615.55	10.958
252.00	3.0345	872.31	619.58	10.982
254.00	3.0592	878.42	623.63	11.006
256.00	3.0839	884.53	627.69	11.031
258.00	3.1086	890.66	631.77	11.055
260.00	3.1333	896.80	635.85	11.078

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	3.1579	902.95	639.95	11.102	402.00	4.8554	1354.25	949.91	12.479
264.00	3.1826	909.11	644.06	11.126	404.00	4.8794	1360.93	954.59	12.495
266.00	3.2072	915.28	648.19	11.149	406.00	4.9034	1367.62	959.28	12.512
268.00	3.2318	921.46	652.32	11.173	408.00	4.9274	1374.31	963.97	12.528
270.00	3.2565	927.65	656.47	11.196	410.00	4.9515	1381.01	968.67	12.545
272.00	3.2810	933.85	660.62	11.219	412.00	4.9755	1387.71	973.37	12.561
274.00	3.3055	940.05	664.78	11.241	414.00	4.9994	1394.42	978.08	12.577
276.00	3.3300	946.27	668.96	11.264	416.00	5.0234	1401.13	982.80	12.593
278.00	3.3545	952.49	673.14	11.287	418.00	5.0474	1407.85	987.52	12.609
280.00	3.3790	958.73	677.33	11.309	420.00	5.0714	1414.57	992.24	12.625
282.00	3.4034	964.97	681.54	11.331	422.00	5.0954	1421.29	996.97	12.641
284.00	3.4279	971.22	685.76	11.353	424.00	5.1194	1428.02	1001.70	12.657
286.00	3.4523	977.49	689.98	11.375	426.00	5.1433	1434.76	1006.44	12.673
288.00	3.4768	983.76	694.22	11.397	428.00	5.1673	1441.49	1011.18	12.689
290.00	3.5012	990.04	698.47	11.419	430.00	5.1912	1448.24	1015.93	12.704
292.00	3.5256	996.33	702.73	11.441	432.00	5.2152	1454.98	1020.68	12.720
294.00	3.5500	1002.63	707.00	11.462	434.00	5.2391	1461.73	1025.43	12.736
296.00	3.5744	1008.94	711.27	11.484	436.00	5.2631	1468.48	1030.19	12.751
298.00	3.5988	1015.26	715.56	11.505	438.00	5.2870	1475.23	1034.95	12.767
300.00	3.6232	1021.59	719.86	11.526	440.00	5.3109	1481.99	1039.72	12.782
302.00	3.6475	1027.92	724.17	11.547	442.00	5.3349	1488.75	1044.48	12.797
304.00	3.6719	1034.27	728.49	11.568	444.00	5.3588	1495.52	1049.25	12.813
306.00	3.6962	1040.62	732.81	11.589	446.00	5.3827	1502.28	1054.03	12.828
308.00	3.7206	1046.99	737.15	11.609	448.00	5.4066	1509.05	1058.81	12.843
310.00	3.7449	1053.36	741.50	11.630	450.00	5.4305	1515.82	1063.59	12.858
312.00	3.7692	1059.74	745.86	11.650	452.00	5.4544	1522.60	1068.37	12.873
314.00	3.7935	1066.13	750.23	11.671	454.00	5.4783	1529.37	1073.16	12.888
316.00	3.8177	1072.53	754.60	11.691	456.00	5.5022	1536.15	1077.95	12.903
318.00	3.8420	1078.94	758.79	11.711	458.00	5.5261	1542.93	1082.74	12.918
320.00	3.8663	1085.35	763.38	11.731	460.00	5.5500	1549.72	1087.53	12.933
322.00	3.8905	1091.77	767.78	11.751	462.00	5.5739	1556.50	1092.33	12.947
324.00	3.9148	1098.21	772.20	11.771	464.00	5.5978	1563.29	1097.13	12.962
326.00	3.9390	1104.64	776.62	11.791	466.00	5.6217	1570.08	1101.93	12.977
328.00	3.9632	1111.09	781.05	11.811	468.00	5.6455	1576.87	1106.74	12.991
330.00	3.9874	1117.55	785.48	11.830	470.00	5.6694	1583.67	1111.54	13.006
332.00	4.0117	1124.01	789.93	11.850	472.00	5.6933	1590.46	1116.35	13.020
334.00	4.0359	1130.48	794.38	11.869	474.00	5.7171	1597.26	1121.16	13.035
336.00	4.0601	1136.95	798.84	11.889	476.00	5.7410	1604.07	1125.98	13.049
338.00	4.0843	1143.44	803.31	11.908	478.00	5.7649	1610.87	1130.80	13.063
340.00	4.1084	1149.93	807.79	11.927	480.00	5.7887	1617.68	1135.62	13.077
342.00	4.1326	1156.43	812.27	11.946	482.00	5.8126	1624.48	1140.44	13.092
344.00	4.1568	1162.93	816.77	11.965	484.00	5.8364	1631.30	1145.26	13.106
346.00	4.1810	1169.44	821.27	11.984	486.00	5.8603	1638.11	1150.09	13.120
348.00	4.2051	1175.96	825.77	12.003	488.00	5.8841	1644.93	1154.92	13.134
350.00	4.2293	1182.49	830.29	12.022	490.00	5.9080	1651.74	1159.75	13.148
352.00	4.2534	1189.02	834.81	12.040	492.00	5.9319	1658.56	1164.59	13.162
354.00	4.2776	1195.56	839.34	12.059	494.00	5.9557	1665.39	1169.42	13.176
356.00	4.3017	1202.11	843.87	12.077	496.00	5.9796	1672.22	1174.26	13.189
358.00	4.3259	1208.66	848.42	12.095	498.00	6.0034	1679.04	1179.11	13.203
360.00	4.3500	1215.21	852.97	12.114	500.00	6.0273	1685.88	1183.95	13.217
362.00	4.3741	1221.78	857.52	12.132	502.00	6.0511	1692.71	1188.80	13.231
364.00	4.3982	1228.35	862.08	12.150	504.00	6.0750	1699.55	1193.65	13.244
366.00	4.4223	1234.92	866.65	12.168	506.00	6.0988	1706.39	1198.50	13.258
368.00	4.4464	1241.50	871.22	12.186	508.00	6.1227	1713.23	1203.36	13.271
370.00	4.4705	1248.09	875.80	12.204	510.00	6.1466	1720.08	1208.22	13.285
372.00	4.4946	1254.68	880.39	12.222	512.00	6.1704	1726.93	1213.08	13.298
374.00	4.5187	1261.28	884.98	12.239	514.00	6.1943	1733.78	1217.95	13.311
376.00	4.5428	1267.88	889.58	12.257	516.00	6.2181	1740.64	1222.81	13.325
378.00	4.5668	1274.49	894.18	12.274	518.00	6.2420	1747.50	1227.68	13.338
380.00	4.5909	1281.11	898.80	12.292	520.00	6.2659	1754.36	1232.56	13.351
382.00	4.6150	1287.73	903.41	12.309	522.00	6.2897	1761.22	1237.43	13.364
384.00	4.6390	1294.36	908.04	12.327	524.00	6.3136	1768.09	1242.31	13.377
386.00	4.6631	1300.99	912.67	12.344	526.00	6.3375	1774.96	1247.19	13.390
388.00	4.6872	1307.63	917.30	12.361	528.00	6.3614	1781.83	1252.08	13.403
390.00	4.7112	1314.27	921.94	12.378	530.00	6.3852	1788.70	1256.96	13.416
392.00	4.7352	1320.92	926.59	12.395	532.00	6.4091	1795.58	1261.85	13.429
394.00	4.7593	1327.58	931.24	12.412	534.00	6.4330	1802.46	1266.74	13.442
396.00	4.7833	1334.24	935.90	12.429	536.00	6.4569	1809.34	1271.64	13.455
398.00	4.8074	1340.90	940.57	12.446	538.00	6.4807	1816.22	1276.53	13.468
400.00	4.8314	1347.58	945.24	12.462	540.00	6.5046	1823.11	1281.43	13.480

500.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
76.00	.4483	286.67	245.19	6.616
78.00	.4880	300.16	255.01	6.792
80.00	.5276	312.77	263.95	6.952
82.00	.5669	324.59	272.13	7.097
84.00	.6055	335.69	279.66	7.231
86.00	.6434	346.17	286.64	7.354
88.00	.6802	356.08	293.15	7.468
90.00	.7161	365.51	299.25	7.574
92.00	.7510	374.51	305.01	7.673
94.00	.7850	383.13	310.48	7.766
96.00	.8181	391.43	315.71	7.853
98.00	.8505	399.45	320.73	7.936
100.00	.8822	407.23	325.57	8.015
102.00	.9132	414.80	330.27	8.090
104.00	.9437	422.19	334.84	8.162
106.00	.9737	429.42	339.30	8.231
108.00	1.0033	436.51	343.67	8.297
110.00	1.0325	443.49	347.96	8.361
112.00	1.0613	450.36	352.18	8.423
114.00	1.0897	457.13	356.34	8.483
116.00	1.1177	463.83	360.45	8.541
118.00	1.1454	470.44	364.50	8.597
120.00	1.1728	476.99	368.50	8.652
122.00	1.1999	483.46	372.47	8.706
124.00	1.2267	489.88	376.40	8.758
126.00	1.2532	496.24	380.29	8.809
128.00	1.2794	502.55	384.14	8.858
130.00	1.3055	508.80	387.97	8.907
132.00	1.3314	515.00	391.76	8.954
134.00	1.3571	521.16	395.53	9.000
136.00	1.3826	527.27	399.27	9.046
138.00	1.4081	533.35	402.99	9.090
140.00	1.4335	539.38	406.69	9.133
142.00	1.4588	545.39	410.38	9.176
144.00	1.4841	551.36	414.04	9.218
146.00	1.5088	557.32	417.70	9.259
148.00	1.5334	563.26	421.34	9.299
150.00	1.5580	569.18	424.98	9.339
152.00	1.5824	575.09	428.61	9.378
154.00	1.6069	580.98	432.23	9.417
156.00	1.6313	586.86	435.86	9.455
158.00	1.6557	592.73	439.48	9.492
160.00	1.6801	598.60	443.11	9.529
162.00	1.7045	604.46	446.75	9.566
164.00	1.7285	610.33	450.39	9.601
166.00	1.7524	616.19	454.03	9.637
168.00	1.7762	622.05	457.69	9.672
170.00	1.8000	627.92	461.35	9.707
172.00	1.8237	633.79	465.02	9.741
174.00	1.8473	639.66	468.71	9.775
176.00	1.8710	645.54	472.40	9.809
178.00	1.8946	651.43	476.11	9.842
180.00	1.9182	657.32	479.83	9.875
182.00	1.9416	663.20	483.55	9.907
184.00	1.9649	669.08	487.27	9.939
186.00	1.9881	674.97	491.00	9.971
188.00	2.0113	680.86	494.73	10.002
190.00	2.0345	686.74	498.47	10.033
192.00	2.0576	692.63	502.22	10.064
194.00	2.0806	698.52	505.97	10.094
196.00	2.1036	704.41	509.72	10.125
198.00	2.1266	710.31	513.48	10.154
200.00	2.1495	716.20	517.25	10.184
202.00	2.1724	722.09	521.02	10.213
204.00	2.1953	727.98	524.79	10.242
206.00	2.2182	733.88	528.57	10.271
208.00	2.2410	739.78	532.35	10.299
210.00	2.2638	745.67	536.13	10.327
212.00	2.2866	751.57	539.93	10.355
214.00	2.3094	757.48	543.72	10.382
216.00	2.3322	763.38	547.53	10.410
218.00	2.3550	769.30	551.34	10.437
220.00	2.3778	775.21	555.16	10.464
222.00	2.4006	781.13	558.98	10.491
224.00	2.4234	787.06	562.82	10.517
226.00	2.4461	793.01	566.68	10.543
228.00	2.4686	798.99	570.57	10.570
230.00	2.4911	804.97	574.47	10.596
232.00	2.5135	810.97	578.38	10.622
234.00	2.5360	816.98	582.31	10.648
236.00	2.5584	822.99	586.24	10.673
238.00	2.5808	829.02	590.20	10.699
240.00	2.6032	835.07	594.16	10.724
242.00	2.6256	841.12	598.14	10.749
244.00	2.6480	847.19	602.14	10.774
246.00	2.6704	853.26	606.15	10.799
248.00	2.6927	859.35	610.17	10.824
250.00	2.7150	865.46	614.21	10.849
252.00	2.7374	871.57	618.26	10.873
254.00	2.7597	877.70	622.32	10.898
256.00	2.7820	883.84	626.40	10.922
258.00	2.8043	889.99	630.49	10.946
260.00	2.8266	896.15	634.59	10.970

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	2.8488	902.33	638.71	10.994	402.00	4.3801	1354.52	949.23	12.373
264.00	2.8711	908.51	642.84	11.018	404.00	4.4018	1361.21	953.92	12.390
266.00	2.8934	914.71	646.98	11.041	406.00	4.4234	1367.91	958.61	12.407
268.00	2.9156	920.92	651.13	11.065	408.00	4.4451	1374.61	963.31	12.423
270.00	2.9379	927.13	655.29	11.088	410.00	4.4667	1381.31	968.01	12.439
272.00	2.9600	933.35	659.46	11.111	412.00	4.4883	1388.02	972.72	12.456
274.00	2.9822	939.57	663.63	11.134	414.00	4.5100	1394.74	977.44	12.472
276.00	3.0043	945.80	667.81	11.156	416.00	4.5316	1401.46	982.16	12.488
278.00	3.0264	952.04	672.01	11.179	418.00	4.5532	1408.19	986.88	12.504
280.00	3.0485	958.30	676.22	11.202	420.00	4.5748	1414.92	991.61	12.520
282.00	3.0706	964.56	680.43	11.224	422.00	4.5964	1421.65	996.35	12.536
284.00	3.0927	970.83	684.66	11.246	424.00	4.6180	1428.39	1001.09	12.552
286.00	3.1147	977.11	688.90	11.268	426.00	4.6396	1435.13	1005.83	12.568
288.00	3.1368	983.40	693.14	11.290	428.00	4.6612	1441.87	1010.58	12.584
290.00	3.1588	989.69	697.40	11.312	430.00	4.6828	1448.62	1015.33	12.599
292.00	3.1809	996.00	701.67	11.333	432.00	4.7044	1455.37	1020.08	12.615
294.00	3.2029	1002.32	705.95	11.355	434.00	4.7260	1462.13	1024.84	12.631
296.00	3.2249	1008.64	710.23	11.376	436.00	4.7475	1468.89	1029.60	12.646
298.00	3.2469	1014.97	714.53	11.398	438.00	4.7691	1475.65	1034.37	12.662
300.00	3.2689	1021.31	718.84	11.419	440.00	4.7907	1482.41	1039.14	12.677
302.00	3.2909	1027.66	723.15	11.440	442.00	4.8122	1489.18	1043.91	12.692
304.00	3.3129	1034.02	727.48	11.461	444.00	4.8338	1495.95	1048.69	12.708
306.00	3.3349	1040.39	731.82	11.482	446.00	4.8553	1502.72	1053.47	12.723
308.00	3.3568	1046.77	736.16	11.502	448.00	4.8769	1509.50	1058.25	12.738
310.00	3.3788	1053.15	740.52	11.523	450.00	4.8984	1516.28	1063.03	12.753
312.00	3.4007	1059.55	744.88	11.544	452.00	4.9200	1523.06	1067.82	12.768
314.00	3.4226	1065.95	749.26	11.564	454.00	4.9415	1529.84	1072.61	12.783
316.00	3.4445	1072.36	753.64	11.584	456.00	4.9630	1536.63	1077.40	12.798
318.00	3.4664	1078.78	758.03	11.605	458.00	4.9846	1543.41	1082.20	12.813
320.00	3.4883	1085.21	762.44	11.625	460.00	5.0061	1550.20	1087.00	12.828
322.00	3.5102	1091.64	766.85	11.645	462.00	5.0276	1557.00	1091.80	12.842
324.00	3.5320	1098.08	771.26	11.665	464.00	5.0491	1563.79	1096.60	12.857
326.00	3.5539	1104.53	775.69	11.685	466.00	5.0706	1570.59	1101.41	12.872
328.00	3.5757	1110.99	780.13	11.704	468.00	5.0921	1577.39	1106.22	12.886
330.00	3.5976	1117.46	784.57	11.724	470.00	5.1136	1584.19	1111.03	12.901
332.00	3.6194	1123.93	789.02	11.744	472.00	5.1352	1590.99	1115.84	12.915
334.00	3.6413	1130.41	793.48	11.763	474.00	5.1567	1597.79	1120.66	12.930
336.00	3.6631	1136.90	797.95	11.782	476.00	5.1782	1604.60	1125.47	12.944
338.00	3.6849	1143.39	802.43	11.802	478.00	5.1997	1611.41	1130.29	12.958
340.00	3.7067	1149.89	806.91	11.821	480.00	5.2211	1618.22	1135.12	12.973
342.00	3.7285	1156.40	811.40	11.840	482.00	5.2426	1625.04	1139.94	12.987
344.00	3.7503	1162.92	815.90	11.859	484.00	5.2641	1631.85	1144.77	13.001
346.00	3.7721	1169.44	820.40	11.878	486.00	5.2856	1638.67	1149.60	13.015
348.00	3.7939	1175.97	824.92	11.897	488.00	5.3071	1645.49	1154.43	13.029
350.00	3.8157	1182.50	829.44	11.915	490.00	5.3286	1652.32	1159.27	13.043
352.00	3.8375	1189.05	833.97	11.934	492.00	5.3501	1659.14	1164.11	13.057
354.00	3.8593	1195.60	838.50	11.953	494.00	5.3716	1665.97	1168.95	13.071
356.00	3.8810	1202.15	843.04	11.971	496.00	5.3931	1672.81	1173.79	13.085
358.00	3.9028	1208.71	847.59	11.990	498.00	5.4146	1679.64	1178.64	13.098
360.00	3.9245	1215.28	852.15	12.008	500.00	5.4361	1686.48	1183.48	13.112
362.00	3.9463	1221.85	856.71	12.026	502.00	5.4575	1693.32	1188.33	13.126
364.00	3.9680	1228.43	861.27	12.044	504.00	5.4790	1700.16	1193.19	13.139
366.00	3.9898	1235.02	865.85	12.062	506.00	5.5005	1707.00	1198.04	13.153
368.00	4.0115	1241.61	870.43	12.080	508.00	5.5220	1713.85	1202.90	13.166
370.00	4.0332	1248.20	875.01	12.098	510.00	5.5435	1720.70	1207.77	13.180
372.00	4.0549	1254.81	879.61	12.116	512.00	5.5650	1727.55	1212.63	13.193
374.00	4.0766	1261.41	884.21	12.134	514.00	5.5865	1734.41	1217.50	13.207
376.00	4.0983	1268.03	888.81	12.151	516.00	5.6080	1741.27	1222.37	13.220
378.00	4.1200	1274.65	893.42	12.169	518.00	5.6295	1748.13	1227.24	13.233
380.00	4.1417	1281.27	898.04	12.186	520.00	5.6510	1755.00	1232.12	13.246
382.00	4.1634	1287.91	902.66	12.204	522.00	5.6724	1761.86	1237.00	13.260
384.00	4.1851	1294.54	907.29	12.221	524.00	5.6939	1768.73	1241.88	13.273
386.00	4.2068	1301.19	911.93	12.238	526.00	5.7154	1775.61	1246.76	13.286
388.00	4.2285	1307.83	916.57	12.255	528.00	5.7369	1782.48	1251.65	13.299
390.00	4.2502	1314.49	921.22	12.272	530.00	5.7584	1789.36	1256.54	13.312
392.00	4.2718	1321.15	925.87	12.289	532.00	5.7799	1796.24	1261.43	13.325
394.00	4.2935	1327.81	930.53	12.306	534.00	5.8014	1803.12	1266.32	13.337
396.00	4.3152	1334.48	935.20	12.323	536.00	5.8229	1810.01	1271.22	13.350
398.00	4.3368	1341.16	939.87	12.340	538.00	5.8444	1816.89	1276.12	13.363
400.00	4.3585	1347.84	944.55	12.357	540.00	5.8659	1823.78	1281.02	13.376

600.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
84.00	.4904	319.50	265.03	6.919
86.00	.5200	330.36	272.61	7.047
88.00	.5493	340.71	279.71	7.166
90.00	.5785	350.62	286.39	7.277
92.00	.6073	360.12	292.70	7.381
94.00	.6357	369.27	298.70	7.480
96.00	.6637	378.11	304.44	7.573
98.00	.6913	386.67	309.94	7.661
100.00	.7184	394.97	315.23	7.745
102.00	.7450	403.05	320.35	7.825
104.00	.7712	410.93	325.31	7.901
106.00	.7969	418.62	330.14	7.975
108.00	.8223	426.16	334.85	8.045
110.00	.8473	433.55	339.46	8.113
112.00	.8720	440.81	343.97	8.178
114.00	.8963	447.94	348.40	8.242
116.00	.9204	454.97	352.76	8.303
118.00	.9442	461.90	357.04	8.362
120.00	.9677	468.73	361.27	8.419
122.00	.9910	475.48	365.44	8.475
124.00	1.0140	482.15	369.55	8.529
126.00	1.0369	488.75	373.62	8.582
128.00	1.0595	495.29	377.65	8.633
130.00	1.0820	501.76	381.63	8.684
132.00	1.1042	508.17	385.58	8.732
134.00	1.1263	514.53	389.49	8.780
136.00	1.1482	520.85	393.37	8.827
138.00	1.1699	527.11	397.23	8.873
140.00	1.1915	533.34	401.05	8.917
142.00	1.2129	539.53	404.86	8.961
144.00	1.2342	545.69	408.65	9.004
146.00	1.2554	551.81	412.41	9.046
148.00	1.2764	557.91	416.17	9.088
150.00	1.2974	563.98	419.91	9.128
152.00	1.3183	570.03	423.64	9.169
154.00	1.3390	576.07	427.37	9.208
156.00	1.3597	582.08	431.09	9.247
158.00	1.3804	588.09	434.80	9.285
160.00	1.4010	594.08	438.52	9.323
162.00	1.4215	600.07	442.24	9.360
164.00	1.4418	606.05	445.96	9.397
166.00	1.4620	612.03	449.68	9.433
168.00	1.4822	618.00	453.41	9.469
170.00	1.5024	623.98	457.15	9.504
172.00	1.5224	629.95	460.89	9.539
174.00	1.5425	635.93	464.64	9.574
176.00	1.5625	641.91	468.40	9.608
178.00	1.5824	647.89	472.17	9.642
180.00	1.6024	653.87	475.95	9.675
182.00	1.6222	659.84	479.72	9.708
184.00	1.6419	665.81	483.50	9.741
186.00	1.6615	671.78	487.28	9.773
188.00	1.6811	677.75	491.06	9.805
190.00	1.7007	683.71	494.85	9.836
192.00	1.7202	689.68	498.65	9.868
194.00	1.7396	695.64	502.44	9.898
196.00	1.7590	701.60	506.24	9.929
198.00	1.7784	707.56	510.05	9.959
200.00	1.7977	713.52	513.85	9.989
202.00	1.8170	719.48	517.66	10.018
204.00	1.8363	725.44	521.47	10.048
206.00	1.8556	731.40	525.29	10.077
208.00	1.8748	737.35	529.11	10.105
210.00	1.8940	743.31	532.93	10.134
212.00	1.9133	749.27	536.76	10.162
214.00	1.9325	755.23	540.59	10.190
216.00	1.9516	761.19	544.43	10.217
218.00	1.9708	767.16	548.28	10.245
220.00	1.9900	773.13	552.13	10.272
222.00	2.0092	779.10	555.99	10.299
224.00	2.0283	785.08	559.86	10.325
226.00	2.0474	791.09	563.76	10.352
228.00	2.0663	797.11	567.67	10.378
230.00	2.0852	803.14	571.60	10.405
232.00	2.1041	809.19	575.55	10.431
234.00	2.1229	815.24	579.50	10.457
236.00	2.1418	821.31	583.47	10.483
238.00	2.1606	827.39	587.46	10.508
240.00	2.1794	833.48	591.45	10.534
242.00	2.1982	839.58	595.46	10.559
244.00	2.2170	845.69	599.48	10.585
246.00	2.2358	851.81	603.52	10.610
248.00	2.2545	857.95	607.57	10.635
250.00	2.2733	864.09	611.64	10.660
252.00	2.2921	870.25	615.71	10.684
254.00	2.3108	876.42	619.80	10.709
256.00	2.3295	882.60	623.91	10.733
258.00	2.3482	888.80	628.02	10.758
260.00	2.3670	895.00	632.15	10.782

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	2.3857	901.21	636.30	10.806	402.00	3.6674	1355.09	947.89	12.191
264.00	2.4044	907.44	640.45	10.830	404.00	3.6855	1361.80	952.58	12.207
266.00	2.4231	913.67	644.62	10.853	406.00	3.7036	1368.51	957.29	12.224
268.00	2.4418	919.92	648.79	10.877	408.00	3.7217	1375.23	962.00	12.240
270.00	2.4604	926.17	652.98	10.900	410.00	3.7397	1381.95	966.71	12.257
272.00	2.4790	932.42	657.17	10.924	412.00	3.7578	1388.67	971.43	12.273
274.00	2.4976	938.68	661.36	10.947	414.00	3.7759	1395.40	976.15	12.289
276.00	2.5161	944.95	665.57	10.969	416.00	3.7939	1402.14	980.88	12.306
278.00	2.5347	951.22	669.78	10.992	418.00	3.8120	1408.88	985.62	12.322
280.00	2.5532	957.51	674.01	11.015	420.00	3.8300	1415.63	990.36	12.338
282.00	2.5717	963.80	678.25	11.037	422.00	3.8481	1422.38	995.11	12.354
284.00	2.5902	970.10	682.49	11.059	424.00	3.8661	1429.13	999.85	12.370
286.00	2.6087	976.41	686.75	11.082	426.00	3.8842	1435.89	1004.61	12.386
288.00	2.6272	982.73	691.02	11.104	428.00	3.9022	1442.65	1009.36	12.401
290.00	2.6457	989.06	695.29	11.126	430.00	3.9202	1449.41	1014.13	12.417
292.00	2.6641	995.40	699.58	11.147	432.00	3.9383	1456.18	1018.89	12.433
294.00	2.6826	1001.74	703.87	11.169	434.00	3.9563	1462.95	1023.66	12.448
296.00	2.7010	1008.09	708.18	11.190	436.00	3.9743	1469.72	1028.43	12.464
298.00	2.7195	1014.45	712.49	11.212	438.00	3.9923	1476.49	1033.21	12.479
300.00	2.7379	1020.82	716.81	11.233	440.00	4.0103	1483.27	1037.99	12.495
302.00	2.7563	1027.20	721.15	11.254	442.00	4.0283	1490.05	1042.77	12.510
304.00	2.7747	1033.58	725.49	11.275	444.00	4.0463	1496.84	1047.55	12.525
306.00	2.7932	1039.98	729.84	11.296	446.00	4.0643	1503.63	1052.34	12.541
308.00	2.8115	1046.38	734.20	11.317	448.00	4.0823	1510.41	1057.13	12.556
310.00	2.8299	1052.79	738.57	11.338	450.00	4.1003	1517.21	1061.93	12.571
312.00	2.8482	1059.21	742.95	11.358	452.00	4.1183	1524.00	1066.72	12.586
314.00	2.8666	1065.64	747.35	11.379	454.00	4.1363	1530.80	1071.52	12.601
316.00	2.8849	1072.08	751.74	11.399	456.00	4.1543	1537.59	1076.32	12.616
318.00	2.9033	1078.52	756.15	11.420	458.00	4.1723	1544.40	1081.13	12.631
320.00	2.9216	1084.97	760.57	11.440	460.00	4.1903	1551.20	1085.93	12.646
322.00	2.9399	1091.43	764.99	11.460	462.00	4.2082	1558.00	1090.74	12.661
324.00	2.9582	1097.90	769.43	11.480	464.00	4.2262	1564.81	1095.55	12.675
326.00	2.9765	1104.37	773.87	11.500	466.00	4.2442	1571.62	1100.37	12.690
328.00	2.9948	1110.85	778.32	11.520	468.00	4.2621	1578.43	1105.18	12.705
330.00	3.0131	1117.34	782.78	11.539	470.00	4.2801	1585.24	1110.00	12.719
332.00	3.0313	1123.84	787.25	11.559	472.00	4.2980	1592.06	1114.82	12.734
334.00	3.0496	1130.34	791.72	11.579	474.00	4.3160	1598.87	1119.65	12.748
336.00	3.0679	1136.85	796.20	11.598	476.00	4.3340	1605.69	1124.47	12.762
338.00	3.0861	1143.37	800.69	11.617	478.00	4.3519	1612.51	1129.30	12.777
340.00	3.1044	1149.89	805.19	11.637	480.00	4.3699	1619.33	1134.13	12.791
342.00	3.1226	1156.42	809.70	11.656	482.00	4.3878	1626.16	1138.96	12.805
344.00	3.1409	1162.96	814.21	11.675	484.00	4.4058	1632.99	1143.80	12.819
346.00	3.1591	1169.50	818.73	11.694	486.00	4.4237	1639.82	1148.63	12.834
348.00	3.1773	1176.05	823.25	11.713	488.00	4.4416	1646.65	1153.47	12.848
350.00	3.1955	1182.61	827.79	11.731	490.00	4.4596	1653.48	1158.31	12.862
352.00	3.2138	1189.17	832.33	11.750	492.00	4.4775	1660.32	1163.16	12.876
354.00	3.2320	1195.74	836.88	11.769	494.00	4.4955	1667.16	1168.00	12.889
356.00	3.2502	1202.32	841.43	11.787	496.00	4.5134	1674.00	1172.85	12.903
358.00	3.2684	1208.90	845.99	11.806	498.00	4.5313	1680.84	1177.70	12.917
360.00	3.2866	1215.49	850.56	11.824	500.00	4.5493	1687.69	1182.56	12.931
362.00	3.3048	1222.08	855.14	11.842	502.00	4.5672	1694.53	1187.41	12.944
364.00	3.3229	1228.68	859.71	11.861	504.00	4.5852	1701.38	1192.27	12.958
366.00	3.3411	1235.28	864.30	11.879	506.00	4.6031	1708.24	1197.14	12.972
368.00	3.3593	1241.89	868.89	11.897	508.00	4.6210	1715.09	1202.00	12.985
370.00	3.3774	1248.50	873.49	11.915	510.00	4.6390	1721.95	1206.87	12.999
372.00	3.3956	1255.12	878.10	11.932	512.00	4.6569	1728.81	1211.74	13.012
374.00	3.4137	1261.75	882.71	11.950	514.00	4.6748	1735.68	1216.61	13.025
376.00	3.4319	1268.38	887.32	11.968	516.00	4.6928	1742.55	1221.49	13.039
378.00	3.4500	1275.02	891.95	11.985	518.00	4.7107	1749.41	1226.37	13.052
380.00	3.4682	1281.66	896.58	12.003	520.00	4.7286	1756.29	1231.25	13.065
382.00	3.4863	1288.31	901.21	12.020	522.00	4.7466	1763.16	1236.13	13.078
384.00	3.5044	1294.97	905.85	12.038	524.00	4.7645	1770.04	1241.02	13.091
386.00	3.5226	1301.63	910.50	12.055	526.00	4.7824	1776.92	1245.91	13.105
388.00	3.5407	1308.29	915.15	12.072	528.00	4.8003	1783.80	1250.80	13.118
390.00	3.5588	1314.96	919.81	12.089	530.00	4.8183	1790.69	1255.69	13.131
392.00	3.5769	1321.64	924.48	12.106	532.00	4.8362	1797.57	1260.59	13.143
394.00	3.5950	1328.32	929.15	12.123	534.00	4.8541	1804.46	1265.49	13.156
396.00	3.6131	1335.01	933.82	12.140	536.00	4.8721	1811.35	1270.39	13.169
398.00	3.6312	1341.70	938.51	12.157	538.00	4.8900	1818.25	1275.29	13.182
400.00	3.6493	1348.39	943.19	12.174	540.00	4.9079	1825.14	1280.20	13.195

700.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
84.00	.4231	307.90	253.10	6.681
86.00	.4461	318.60	260.83	6.807
88.00	.4692	328.89	268.12	6.925
90.00	.4924	338.82	275.03	7.037
92.00	.5157	348.43	281.61	7.143
94.00	.5390	357.74	287.90	7.243
96.00	.5622	366.78	293.94	7.338
98.00	.5853	375.59	299.75	7.429
100.00	.6082	384.17	305.36	7.515
102.00	.6309	392.54	310.80	7.598
104.00	.6534	400.73	316.08	7.678
106.00	.6757	408.75	321.22	7.754
108.00	.6977	416.61	326.23	7.827
110.00	.7195	424.31	331.12	7.898
112.00	.7410	431.88	335.91	7.966
114.00	.7622	439.33	340.60	8.032
116.00	.7832	446.65	345.20	8.095
118.00	.8040	453.86	349.71	8.157
120.00	.8246	460.96	354.15	8.216
122.00	.8449	467.97	358.52	8.274
124.00	.8651	474.89	362.83	8.331
126.00	.8850	481.72	367.08	8.385
128.00	.9048	488.48	371.27	8.438
130.00	.9244	495.16	375.41	8.490
132.00	.9438	501.77	379.50	8.541
134.00	.9631	508.32	383.55	8.590
136.00	.9823	514.82	387.57	8.638
138.00	1.0013	521.26	391.55	8.685
140.00	1.0202	527.66	395.50	8.731
142.00	1.0389	534.01	399.42	8.777
144.00	1.0576	540.33	403.32	8.821
146.00	1.0761	546.60	407.21	8.864
148.00	1.0945	552.85	411.07	8.906
150.00	1.1128	559.07	414.92	8.948
152.00	1.1310	565.27	418.76	8.989
154.00	1.1491	571.44	422.59	9.030
156.00	1.1671	577.59	426.41	9.069
158.00	1.1851	583.73	430.22	9.108
160.00	1.2029	589.85	434.03	9.147
162.00	1.2207	595.96	437.84	9.185
164.00	1.2383	602.05	441.64	9.222
166.00	1.2560	608.14	445.43	9.259
168.00	1.2735	614.21	449.23	9.295
170.00	1.2910	620.28	453.03	9.331
172.00	1.3085	626.34	456.83	9.366
174.00	1.3259	632.40	460.63	9.401
176.00	1.3433	638.45	464.44	9.436
178.00	1.3606	644.50	468.24	9.470
180.00	1.3779	650.55	472.05	9.504
182.00	1.3951	656.58	475.86	9.537
184.00	1.4122	662.62	479.68	9.570
186.00	1.4293	668.65	483.50	9.603
188.00	1.4463	674.68	487.32	9.635
190.00	1.4632	680.71	491.14	9.667
192.00	1.4802	686.74	494.97	9.699
194.00	1.4971	692.76	498.80	9.730
196.00	1.5139	698.79	502.64	9.761
198.00	1.5307	704.81	506.48	9.791
200.00	1.5475	710.83	510.32	9.821
202.00	1.5642	716.86	514.17	9.851
204.00	1.5809	722.88	518.03	9.881
206.00	1.5976	728.90	521.89	9.910
208.00	1.6143	734.93	525.76	9.939
210.00	1.6309	740.96	529.63	9.968
212.00	1.6475	746.99	533.51	9.996
214.00	1.6641	753.02	537.40	10.025
216.00	1.6807	759.05	541.30	10.052
218.00	1.6972	765.09	545.20	10.080
220.00	1.7137	771.14	549.11	10.108
222.00	1.7303	777.19	553.03	10.135
224.00	1.7468	783.24	556.96	10.162
226.00	1.7632	789.31	560.90	10.189
228.00	1.7796	795.40	564.86	10.216
230.00	1.7959	801.49	568.83	10.242
232.00	1.8122	807.59	572.81	10.269
234.00	1.8285	813.69	576.80	10.295
236.00	1.8447	819.81	580.81	10.321
238.00	1.8610	825.94	584.82	10.347
240.00	1.8772	832.07	588.85	10.373
242.00	1.8935	838.22	592.89	10.398
244.00	1.9097	844.37	596.94	10.424
246.00	1.9259	850.54	601.00	10.449
248.00	1.9421	856.71	605.08	10.474
250.00	1.9583	862.90	609.17	10.499
252.00	1.9745	869.09	613.25	10.524
254.00	1.9906	875.30	617.38	10.548
256.00	2.0068	881.51	621.50	10.573
258.00	2.0230	887.73	625.63	10.597
260.00	2.0391	893.97	629.78	10.622

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	2.0553	900.21	633.93	10.646	402.00	3.1535	1355.74	946.59	12.036
264.00	2.0714	906.46	638.10	10.670	404.00	3.1740	1362.46	951.29	12.052
266.00	2.0876	912.72	642.28	10.694	406.00	3.1896	1369.18	956.00	12.069
268.00	2.1037	919.00	646.47	10.717	408.00	3.2051	1375.90	960.71	12.086
270.00	2.1198	925.27	650.67	10.741	410.00	3.2206	1382.63	965.43	12.102
272.00	2.1359	931.56	654.87	10.764	412.00	3.2362	1389.37	970.16	12.118
274.00	2.1519	937.84	659.09	10.787	414.00	3.2517	1396.11	974.88	12.135
276.00	2.1679	944.14	663.31	10.810	416.00	3.2672	1402.86	979.62	12.151
278.00	2.1838	950.45	667.55	10.833	418.00	3.2827	1409.61	984.37	12.167
280.00	2.1998	956.76	671.79	10.856	420.00	3.2982	1416.37	989.11	12.183
282.00	2.2158	963.09	676.05	10.878	422.00	3.3137	1423.13	993.87	12.199
284.00	2.2317	969.42	680.31	10.901	424.00	3.3292	1429.89	998.63	12.215
286.00	2.2477	975.76	684.59	10.923	426.00	3.3447	1436.66	1003.39	12.231
288.00	2.2636	982.11	688.87	10.945	428.00	3.3602	1443.44	1008.15	12.247
290.00	2.2795	988.47	693.17	10.967	430.00	3.3757	1450.21	1012.92	12.263
292.00	2.2954	994.83	697.48	10.989	432.00	3.3912	1456.99	1017.70	12.278
294.00	2.3113	1001.21	701.79	11.011	434.00	3.4067	1463.78	1022.48	12.294
296.00	2.3272	1007.59	706.11	11.032	436.00	3.4221	1470.56	1027.26	12.310
298.00	2.3431	1013.98	710.45	11.054	438.00	3.4376	1477.35	1032.04	12.325
300.00	2.3590	1020.38	714.79	11.075	440.00	3.4531	1484.15	1036.83	12.340
302.00	2.3748	1026.79	719.15	11.096	442.00	3.4686	1490.94	1041.63	12.356
304.00	2.3907	1033.20	723.51	11.118	444.00	3.4840	1497.74	1046.42	12.371
306.00	2.4065	1039.63	727.88	11.139	446.00	3.4995	1504.54	1051.22	12.386
308.00	2.4224	1046.06	732.27	11.160	448.00	3.5149	1511.35	1056.02	12.402
310.00	2.4382	1052.50	736.66	11.180	450.00	3.5304	1518.15	1060.82	12.417
312.00	2.4540	1058.96	741.07	11.201	452.00	3.5459	1524.96	1065.63	12.432
314.00	2.4698	1065.42	745.48	11.222	454.00	3.5613	1531.77	1070.44	12.447
316.00	2.4855	1071.88	749.90	11.242	456.00	3.5767	1538.58	1075.25	12.462
318.00	2.5013	1078.36	754.33	11.263	458.00	3.5922	1545.40	1080.06	12.477
320.00	2.5171	1084.84	758.77	11.283	460.00	3.6076	1552.21	1084.88	12.492
322.00	2.5329	1091.33	763.22	11.303	462.00	3.6231	1559.03	1089.70	12.507
324.00	2.5486	1097.83	767.68	11.323	464.00	3.6385	1565.85	1094.52	12.521
326.00	2.5644	1104.34	772.14	11.343	466.00	3.6539	1572.67	1099.34	12.536
328.00	2.5801	1110.85	776.61	11.363	468.00	3.6694	1579.50	1104.17	12.551
330.00	2.5958	1117.37	781.10	11.383	470.00	3.6848	1586.32	1108.99	12.565
332.00	2.6116	1123.89	785.58	11.402	472.00	3.7002	1593.15	1113.82	12.580
334.00	2.6273	1130.43	790.08	11.422	474.00	3.7156	1599.98	1118.65	12.594
336.00	2.6430	1136.96	794.58	11.441	476.00	3.7311	1606.81	1123.49	12.609
338.00	2.6587	1143.51	799.10	11.461	478.00	3.7465	1613.64	1128.32	12.623
340.00	2.6744	1150.06	803.61	11.480	480.00	3.7619	1620.47	1133.16	12.637
342.00	2.6901	1156.62	808.14	11.499	482.00	3.7773	1627.31	1138.00	12.651
344.00	2.7058	1163.19	812.67	11.518	484.00	3.7927	1634.15	1142.84	12.666
346.00	2.7215	1169.76	817.21	11.538	486.00	3.8081	1640.99	1147.68	12.680
348.00	2.7371	1176.33	821.76	11.556	488.00	3.8235	1647.83	1152.52	12.694
350.00	2.7528	1182.91	826.31	11.575	490.00	3.8389	1654.67	1157.37	12.708
352.00	2.7685	1189.50	830.87	11.594	492.00	3.8543	1661.52	1162.22	12.722
354.00	2.7841	1196.09	835.43	11.613	494.00	3.8697	1668.36	1167.07	12.736
356.00	2.7998	1202.69	840.00	11.631	496.00	3.8851	1675.21	1171.93	12.750
358.00	2.8155	1209.30	844.58	11.650	498.00	3.9005	1682.06	1176.78	12.763
360.00	2.8311	1215.90	849.16	11.668	500.00	3.9159	1688.92	1181.64	12.777
362.00	2.8467	1222.51	853.74	11.686	502.00	3.9313	1695.77	1186.51	12.791
364.00	2.8624	1229.13	858.33	11.705	504.00	3.9467	1702.63	1191.37	12.805
366.00	2.8780	1235.75	862.93	11.723	506.00	3.9621	1709.49	1196.24	12.818
368.00	2.8936	1242.37	867.53	11.741	508.00	3.9775	1716.36	1201.11	12.832
370.00	2.9092	1249.00	872.13	11.759	510.00	3.9929	1723.22	1205.98	12.845
372.00	2.9248	1255.63	876.75	11.777	512.00	4.0083	1730.09	1210.85	12.859
374.00	2.9404	1262.27	881.36	11.795	514.00	4.0237	1736.96	1215.73	12.872
376.00	2.9561	1268.91	885.98	11.812	516.00	4.0391	1743.84	1220.61	12.885
378.00	2.9716	1275.56	890.61	11.830	518.00	4.0545	1750.72	1225.50	12.899
380.00	2.9872	1282.22	895.25	11.848	520.00	4.0699	1757.60	1230.38	12.912
382.00	3.0028	1288.88	899.89	11.865	522.00	4.0853	1764.48	1235.27	12.925
384.00	3.0184	1295.54	904.53	11.882	524.00	4.1006	1771.36	1240.16	12.938
386.00	3.0340	1302.21	909.18	11.900	526.00	4.1160	1778.25	1245.06	12.951
388.00	3.0496	1308.88	913.84	11.917	528.00	4.1314	1785.14	1249.95	12.964
390.00	3.0651	1315.56	918.50	11.934	530.00	4.1468	1792.03	1254.85	12.977
392.00	3.0807	1322.25	923.17	11.951	532.00	4.1622	1798.93	1259.76	12.990
394.00	3.0963	1328.94	927.84	11.968	534.00	4.1776	1805.82	1264.66	13.003
396.00	3.1118	1335.63	932.52	11.985	536.00	4.1929	1812.72	1269.57	13.016
398.00	3.1274	1342.33	937.21	12.002	538.00	4.2083	1819.62	1274.48	13.029
400.00	3.1429	1349.03	941.90	12.019	540.00	4.2237	1826.53	1279.39	13.041

800.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
72.00	.2939	245.00	201.50	5.781
74.00	.2953	255.16	213.05	6.044
76.00	.3059	264.17	220.35	6.180
78.00	.3221	272.77	225.85	6.259
80.00	.3414	281.37	231.00	6.321
82.00	.3619	290.19	236.57	6.392
84.00	.3823	299.31	242.88	6.480
86.00	.4015	308.69	249.90	6.587
88.00	.4192	318.27	257.45	6.710
90.00	.4354	327.93	265.27	6.840
92.00	.4505	337.56	273.05	6.972
94.00	.4654	347.08	280.56	7.099
96.00	.4807	356.40	287.60	7.216
98.00	.4971	365.48	294.04	7.319
100.00	.5152	374.29	299.86	7.407
102.00	.5354	382.83	305.07	7.481
104.00	.5578	391.11	309.74	7.542
106.00	.5823	399.17	314.02	7.593
108.00	.6086	407.05	318.03	7.637
110.00	.6358	414.78	321.94	7.679
112.00	.6631	422.42	325.88	7.723
114.00	.6892	430.00	330.00	7.771
116.00	.7129	437.55	334.38	7.825
118.00	.7332	445.10	339.07	7.888
120.00	.7494	452.65	344.08	7.960
122.00	.7612	460.19	349.40	8.039
124.00	.7690	467.71	354.94	8.124
126.00	.7738	475.18	360.62	8.212
128.00	.7898	482.23	365.17	8.271
130.00	.8057	489.17	369.63	8.329
132.00	.8218	496.02	374.00	8.383
134.00	.8381	502.78	378.27	8.435
136.00	.8549	509.44	382.43	8.485
138.00	.8722	516.02	386.48	8.532
140.00	.8899	522.53	390.44	8.576
142.00	.9082	528.97	394.33	8.618
144.00	.9268	535.35	398.15	8.659
146.00	.9432	541.75	402.13	8.703
148.00	.9595	548.12	406.09	8.747
150.00	.9758	554.45	410.03	8.789
152.00	.9919	560.75	413.96	8.831
154.00	1.0080	567.03	417.86	8.872
156.00	1.0239	573.29	421.75	8.912
158.00	1.0398	579.53	425.64	8.952
160.00	1.0556	585.76	429.51	8.991
162.00	1.0713	591.98	433.38	9.030
164.00	1.0869	598.18	437.25	9.068
166.00	1.1026	604.37	441.13	9.105
168.00	1.1181	610.55	445.00	9.142
170.00	1.1337	616.72	448.87	9.179
172.00	1.1491	622.89	452.75	9.215
174.00	1.1645	629.05	456.63	9.250
176.00	1.1799	635.21	460.52	9.285
178.00	1.1952	641.36	464.41	9.320
180.00	1.2104	647.50	468.31	9.354
182.00	1.2256	653.64	472.20	9.388
184.00	1.2408	659.78	476.09	9.422
186.00	1.2559	665.91	479.99	9.455
188.00	1.2709	672.04	483.88	9.487
190.00	1.2859	678.16	487.78	9.520
192.00	1.3009	684.28	491.68	9.552
194.00	1.3158	690.39	495.58	9.583
196.00	1.3307	696.50	499.48	9.614
198.00	1.3456	702.60	503.38	9.645
200.00	1.3604	708.70	507.28	9.676
202.00	1.3752	714.79	511.19	9.706
204.00	1.3899	720.88	515.09	9.736
206.00	1.4047	726.97	519.00	9.766
208.00	1.4194	733.05	522.90	9.795
210.00	1.4340	739.13	526.81	9.824
212.00	1.4487	745.21	530.72	9.853
214.00	1.4633	751.29	534.63	9.881
216.00	1.4779	757.36	538.55	9.909
218.00	1.4925	763.44	542.46	9.937
220.00	1.5071	769.52	546.39	9.965
222.00	1.5217	775.60	550.32	9.992
224.00	1.5362	781.68	554.25	10.020
226.00	1.5507	787.78	558.21	10.047
228.00	1.5651	793.90	562.19	10.074
230.00	1.5795	800.03	566.17	10.100
232.00	1.5938	806.16	570.17	10.127
234.00	1.6082	812.30	574.18	10.153
236.00	1.6225	818.45	578.20	10.180
238.00	1.6369	824.60	582.23	10.206
240.00	1.6512	830.77	586.28	10.232
242.00	1.6655	836.94	590.33	10.257
244.00	1.6797	843.13	594.40	10.283
246.00	1.6940	849.32	598.48	10.308
248.00	1.7083	855.53	602.57	10.333
250.00	1.7225	861.74	606.67	10.359
252.00	1.7368	867.96	610.78	10.384
254.00	1.7510	874.20	614.91	10.408
256.00	1.7653	880.44	619.05	10.433
258.00	1.7795	886.70	623.20	10.457
260.00	1.7937	892.96	627.36	10.482

800.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	1.8080	899.24	631.54	10.506	402.00	2.7769	1356.47	945.36	11.901
264.00	1.8222	905.52	635.73	10.530	404.00	2.7906	1363.19	950.06	11.918
266.00	1.8364	911.81	639.92	10.554	406.00	2.8042	1369.91	954.76	11.935
268.00	1.8506	918.12	644.13	10.578	408.00	2.8178	1376.64	959.47	11.951
270.00	1.8648	924.43	648.36	10.601	410.00	2.8314	1383.37	964.19	11.968
272.00	1.8789	930.74	652.58	10.625	412.00	2.8451	1390.11	968.91	11.984
274.00	1.8929	937.05	656.81	10.648	414.00	2.8587	1396.85	973.64	12.000
276.00	1.9070	943.38	661.05	10.671	416.00	2.8723	1403.61	978.38	12.017
278.00	1.9211	949.72	665.30	10.694	418.00	2.8859	1410.37	983.13	12.033
280.00	1.9351	956.06	669.57	10.717	420.00	2.8995	1417.14	987.88	12.049
282.00	1.9492	962.42	673.84	10.740	422.00	2.9131	1423.91	992.64	12.065
284.00	1.9632	968.78	678.13	10.762	424.00	2.9267	1430.69	997.40	12.081
286.00	1.9772	975.15	682.43	10.784	426.00	2.9403	1437.47	1002.17	12.097
288.00	1.9912	981.53	686.73	10.807	428.00	2.9538	1444.25	1006.95	12.113
290.00	2.0052	987.92	691.05	10.829	430.00	2.9674	1451.04	1011.73	12.129
292.00	2.0192	994.32	695.38	10.851	432.00	2.9810	1457.84	1016.51	12.144
294.00	2.0332	1000.73	699.72	10.873	434.00	2.9946	1464.63	1021.30	12.160
296.00	2.0471	1007.15	704.07	10.895	436.00	3.0081	1471.44	1026.09	12.176
298.00	2.0611	1013.57	708.43	10.916	438.00	3.0217	1478.24	1030.89	12.191
300.00	2.0750	1020.01	712.80	10.938	440.00	3.0353	1485.05	1035.69	12.207
302.00	2.0890	1026.45	717.18	10.959	442.00	3.0488	1491.86	1040.49	12.222
304.00	2.1029	1032.90	721.57	10.980	444.00	3.0624	1498.67	1045.30	12.237
306.00	2.1169	1039.36	725.97	11.001	446.00	3.0760	1505.49	1050.11	12.253
308.00	2.1308	1045.84	730.39	11.022	448.00	3.0895	1512.31	1054.92	12.268
310.00	2.1446	1052.32	734.81	11.043	450.00	3.1031	1519.13	1059.73	12.283
312.00	2.1585	1058.81	739.25	11.064	452.00	3.1166	1525.95	1064.55	12.298
314.00	2.1724	1065.31	743.69	11.085	454.00	3.1301	1532.78	1069.37	12.313
316.00	2.1863	1071.82	748.15	11.105	456.00	3.1437	1539.61	1074.19	12.328
318.00	2.2001	1078.33	752.61	11.126	458.00	3.1572	1546.43	1079.02	12.343
320.00	2.2140	1084.86	757.08	11.146	460.00	3.1708	1553.27	1083.85	12.358
322.00	2.2278	1091.39	761.56	11.167	462.00	3.1843	1560.10	1088.67	12.373
324.00	2.2417	1097.92	766.05	11.187	464.00	3.1978	1566.93	1093.51	12.388
326.00	2.2555	1104.47	770.55	11.207	466.00	3.2114	1573.77	1098.34	12.402
328.00	2.2693	1111.02	775.05	11.227	468.00	3.2249	1580.60	1103.17	12.417
330.00	2.2831	1117.58	779.56	11.247	470.00	3.2384	1587.44	1108.01	12.432
332.00	2.2969	1124.14	784.08	11.266	472.00	3.2519	1594.28	1112.84	12.446
334.00	2.3107	1130.71	788.61	11.286	474.00	3.2654	1601.12	1117.68	12.461
336.00	2.3245	1137.29	793.14	11.305	476.00	3.2790	1607.96	1122.52	12.475
338.00	2.3383	1143.87	797.68	11.325	478.00	3.2925	1614.80	1127.37	12.489
340.00	2.3521	1150.46	802.23	11.344	480.00	3.3060	1621.65	1132.21	12.504
342.00	2.3659	1157.05	806.78	11.364	482.00	3.3195	1628.49	1137.05	12.518
344.00	2.3797	1163.65	811.34	11.383	484.00	3.3330	1635.34	1141.90	12.532
346.00	2.3934	1170.25	815.90	11.402	486.00	3.3465	1642.19	1146.75	12.546
348.00	2.4072	1176.85	820.47	11.421	488.00	3.3600	1649.04	1151.60	12.561
350.00	2.4210	1183.46	825.04	11.440	490.00	3.3735	1655.89	1156.45	12.575
352.00	2.4347	1190.08	829.62	11.458	492.00	3.3870	1662.74	1161.31	12.589
354.00	2.4485	1196.69	834.20	11.477	494.00	3.4005	1669.60	1166.16	12.602
356.00	2.4622	1203.32	838.79	11.496	496.00	3.4140	1676.45	1171.02	12.616
358.00	2.4760	1209.94	843.38	11.514	498.00	3.4275	1683.31	1175.88	12.630
360.00	2.4897	1216.57	847.98	11.533	500.00	3.4410	1690.17	1180.74	12.644
362.00	2.5034	1223.19	852.57	11.551	502.00	3.4545	1697.04	1185.61	12.658
364.00	2.5171	1229.82	857.16	11.569	504.00	3.4680	1703.90	1190.49	12.671
366.00	2.5308	1236.45	861.76	11.588	506.00	3.4815	1710.77	1195.35	12.685
368.00	2.5446	1243.08	866.37	11.606	508.00	3.4950	1717.64	1200.22	12.698
370.00	2.5583	1249.72	870.97	11.624	510.00	3.5085	1724.51	1205.10	12.712
372.00	2.5720	1256.35	875.59	11.642	512.00	3.5219	1731.39	1209.98	12.725
374.00	2.5856	1263.00	880.20	11.659	514.00	3.5354	1738.26	1214.86	12.739
376.00	2.5993	1269.65	884.82	11.677	516.00	3.5489	1745.14	1219.74	12.752
378.00	2.6130	1276.30	889.45	11.695	518.00	3.5624	1752.03	1224.63	12.765
380.00	2.6267	1282.95	894.08	11.713	520.00	3.5759	1758.92	1229.52	12.779
382.00	2.6404	1289.61	898.71	11.730	522.00	3.5893	1765.80	1234.41	12.792
384.00	2.6541	1296.28	903.35	11.748	524.00	3.6028	1772.70	1239.31	12.805
386.00	2.6677	1302.95	908.00	11.765	526.00	3.6163	1779.59	1244.21	12.818
388.00	2.6814	1309.62	912.65	11.782	528.00	3.6298	1786.49	1249.12	12.831
390.00	2.6950	1316.30	917.30	11.799	530.00	3.6432	1793.39	1254.02	12.844
392.00	2.7087	1322.98	921.97	11.817	532.00	3.6567	1800.29	1258.93	12.857
394.00	2.7224	1329.67	926.63	11.834	534.00	3.6702	1807.20	1263.84	12.870
396.00	2.7360	1336.36	931.31	11.851	536.00	3.6837	1814.11	1268.76	12.883
398.00	2.7496	1343.06	935.98	11.868	538.00	3.6971	1821.02	1273.67	12.896
400.00	2.7633	1349.77	940.67	11.884	540.00	3.7106	1827.93	1278.59	12.908

900.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
54.00	.2279	182.31	144.36	4.712
56.00	.2297	186.86	148.90	4.809
58.00	.2334	192.70	154.13	4.911
60.00	.2383	199.25	159.75	5.017
62.00	.2442	206.18	165.56	5.126
64.00	.2509	213.31	171.49	5.238
66.00	.2582	220.57	177.49	5.351
68.00	.2661	227.96	183.57	5.465
70.00	.2745	235.50	189.74	5.580
72.00	.2835	243.24	196.04	5.695
74.00	.2931	251.21	202.46	5.810
76.00	.3034	259.45	209.03	5.924
78.00	.3144	267.95	215.73	6.038
80.00	.3261	276.72	222.54	6.150
82.00	.3386	285.72	229.44	6.260
84.00	.3518	294.91	236.39	6.368
86.00	.3658	304.23	243.35	6.475
88.00	.3805	313.62	250.26	6.579
90.00	.3959	323.01	257.08	6.680
92.00	.4118	332.36	263.78	6.779
94.00	.4281	341.59	270.31	6.876
96.00	.4447	350.67	276.66	6.969
98.00	.4614	359.57	282.80	7.060
100.00	.4781	368.25	288.72	7.148
102.00	.4947	376.71	294.44	7.233
104.00	.5111	384.97	299.95	7.316
106.00	.5272	393.03	305.29	7.396
108.00	.5431	400.91	310.47	7.472
110.00	.5594	408.85	315.65	7.547
112.00	.5758	416.69	320.74	7.618
114.00	.5921	424.43	325.74	7.687
116.00	.6083	432.10	330.68	7.754
118.00	.6246	439.68	335.55	7.819
120.00	.6408	447.20	340.36	7.881
122.00	.6571	454.65	345.12	7.942
124.00	.6733	462.02	349.82	8.001
126.00	.6896	469.32	354.47	8.058
128.00	.7052	476.44	358.98	8.114
130.00	.7208	483.48	363.43	8.168
132.00	.7362	490.45	367.82	8.221
134.00	.7516	497.33	372.15	8.273
136.00	.7668	504.14	376.44	8.323
138.00	.7819	510.89	380.67	8.373
140.00	.7968	517.57	384.86	8.421
142.00	.8117	524.20	389.01	8.469
144.00	.8265	530.77	393.12	8.515
146.00	.8412	537.31	397.21	8.560
148.00	.8559	543.81	401.27	8.605
150.00	.8705	550.27	405.31	8.648
152.00	.8849	556.69	409.33	8.691
154.00	.8993	563.08	413.32	8.732
156.00	.9137	569.45	417.30	8.773
158.00	.9279	575.79	421.27	8.814
160.00	.9420	582.11	425.22	8.853
162.00	.9561	588.41	429.17	8.892
164.00	.9702	594.70	433.11	8.931
166.00	.9842	600.98	437.06	8.969
168.00	.9982	607.25	441.00	9.006
170.00	1.0122	613.51	444.94	9.043
172.00	1.0260	619.76	448.89	9.080
174.00	1.0398	626.01	452.83	9.116
176.00	1.0536	632.25	456.78	9.151
178.00	1.0673	638.49	460.73	9.186
180.00	1.0810	644.72	464.69	9.221
182.00	1.0946	650.94	468.63	9.256
184.00	1.1082	657.15	472.58	9.290
186.00	1.1217	663.36	476.53	9.323
188.00	1.1353	669.56	480.47	9.356
190.00	1.1487	675.75	484.42	9.389
192.00	1.1622	681.94	488.36	9.421
194.00	1.1756	688.12	492.31	9.453
196.00	1.1889	694.29	496.25	9.485
198.00	1.2022	700.45	500.20	9.516
200.00	1.2155	706.61	504.14	9.547
202.00	1.2288	712.76	508.08	9.578
204.00	1.2420	718.91	512.02	9.608
206.00	1.2552	725.05	515.96	9.638
208.00	1.2684	731.18	519.90	9.667
210.00	1.2815	737.31	523.84	9.696
212.00	1.2947	743.44	527.78	9.725
214.00	1.3078	749.56	531.72	9.754
216.00	1.3208	755.68	535.67	9.782
218.00	1.3339	761.79	539.62	9.810
220.00	1.3469	767.91	543.57	9.838
222.00	1.3599	774.03	547.52	9.866
224.00	1.3729	780.15	551.48	9.893
226.00	1.3859	786.28	555.46	9.920
228.00	1.3988	792.44	559.47	9.947
230.00	1.4116	798.61	563.48	9.974
232.00	1.4245	804.78	567.51	10.001
234.00	1.4373	810.96	571.54	10.027
236.00	1.4502	817.15	575.59	10.054
238.00	1.4630	823.34	579.64	10.080
240.00	1.4758	829.55	583.71	10.106
242.00	1.4886	835.76	587.79	10.132
244.00	1.5013	841.98	591.88	10.157
246.00	1.5141	848.21	595.98	10.183
248.00	1.5269	854.45	600.09	10.208
250.00	1.5396	860.70	604.22	10.234
252.00	1.5523	866.96	608.36	10.259
254.00	1.5651	873.23	612.51	10.284
256.00	1.5778	879.50	616.67	10.308
258.00	1.5905	885.79	620.84	10.333
260.00	1.6032	892.09	625.03	10.358

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	1.6159	898.40	629.22	10.382	402.00	2.4803	1357.23	944.13	11.782
264.00	1.6286	904.72	633.43	10.406	404.00	2.4924	1363.94	948.82	11.799
266.00	1.6413	911.04	637.65	10.430	406.00	2.5046	1370.67	953.53	11.816
268.00	1.6540	917.38	641.89	10.454	408.00	2.5167	1377.40	958.24	11.832
270.00	1.6667	923.72	646.13	10.478	410.00	2.5288	1384.14	962.95	11.849
272.00	1.6793	930.06	650.37	10.501	412.00	2.5410	1390.88	967.68	11.865
274.00	1.6919	936.41	654.62	10.525	414.00	2.5531	1397.63	972.41	11.882
276.00	1.7044	942.76	658.88	10.548	416.00	2.5652	1404.40	977.16	11.898
278.00	1.7170	949.13	663.16	10.571	418.00	2.5773	1411.17	981.91	11.914
280.00	1.7295	955.51	667.44	10.594	420.00	2.5895	1417.95	986.67	11.930
282.00	1.7421	961.89	671.74	10.617	422.00	2.6016	1424.73	991.44	11.946
284.00	1.7546	968.28	676.04	10.639	424.00	2.6137	1431.52	996.21	11.962
286.00	1.7671	974.68	680.36	10.662	426.00	2.6258	1438.31	1000.98	11.978
288.00	1.7796	981.09	684.69	10.684	428.00	2.6379	1445.11	1005.77	11.994
290.00	1.7921	987.51	689.02	10.707	430.00	2.6500	1451.91	1010.56	12.010
292.00	1.8046	993.94	693.37	10.729	432.00	2.6621	1458.72	1015.35	12.026
294.00	1.8171	1000.38	697.73	10.751	434.00	2.6742	1465.53	1020.15	12.041
296.00	1.8296	1006.82	702.10	10.772	436.00	2.6862	1472.35	1024.95	12.057
298.00	1.8420	1013.28	706.48	10.794	438.00	2.6983	1479.17	1029.75	12.073
300.00	1.8545	1019.74	710.87	10.816	440.00	2.7104	1485.99	1034.56	12.088
302.00	1.8669	1026.22	715.27	10.837	442.00	2.7225	1492.81	1039.38	12.104
304.00	1.8794	1032.70	719.69	10.859	444.00	2.7346	1499.64	1044.19	12.119
306.00	1.8918	1039.19	724.11	10.880	446.00	2.7466	1506.47	1049.01	12.134
308.00	1.9042	1045.70	728.55	10.901	448.00	2.7587	1513.30	1053.84	12.150
310.00	1.9166	1052.21	733.00	10.922	450.00	2.7708	1520.14	1058.66	12.165
312.00	1.9290	1058.74	737.46	10.943	452.00	2.7828	1526.98	1063.49	12.180
314.00	1.9414	1065.27	741.93	10.964	454.00	2.7949	1533.82	1068.32	12.195
316.00	1.9537	1071.81	746.41	10.984	456.00	2.8070	1540.66	1073.16	12.210
318.00	1.9661	1078.36	750.90	11.005	458.00	2.8190	1547.50	1077.99	12.225
320.00	1.9785	1084.91	755.39	11.025	460.00	2.8311	1554.35	1082.83	12.240
322.00	1.9908	1091.48	759.90	11.046	462.00	2.8431	1561.19	1087.67	12.255
324.00	2.0032	1098.05	764.42	11.066	464.00	2.8552	1568.04	1092.50	12.270
326.00	2.0155	1104.63	768.94	11.086	466.00	2.8672	1574.89	1097.35	12.284
328.00	2.0278	1111.21	773.47	11.106	468.00	2.8792	1581.73	1102.19	12.299
330.00	2.0401	1117.80	778.01	11.126	470.00	2.8913	1588.58	1107.03	12.314
332.00	2.0525	1124.40	782.55	11.146	472.00	2.9033	1595.43	1111.88	12.328
334.00	2.0648	1131.00	787.10	11.165	474.00	2.9154	1602.29	1116.73	12.343
336.00	2.0771	1137.61	791.66	11.185	476.00	2.9274	1609.14	1121.57	12.357
338.00	2.0894	1144.22	796.22	11.205	478.00	2.9394	1615.99	1126.42	12.372
340.00	2.1017	1150.84	800.79	11.224	480.00	2.9515	1622.84	1131.27	12.386
342.00	2.1139	1157.46	805.37	11.243	482.00	2.9635	1629.70	1136.12	12.400
344.00	2.1262	1164.08	809.95	11.262	484.00	2.9755	1636.55	1140.98	12.414
346.00	2.1385	1170.71	814.53	11.282	486.00	2.9875	1643.41	1145.83	12.429
348.00	2.1508	1177.34	819.12	11.301	488.00	2.9996	1650.27	1150.69	12.443
350.00	2.1630	1183.98	823.71	11.320	490.00	3.0116	1657.13	1155.54	12.457
352.00	2.1753	1190.62	828.31	11.338	492.00	3.0236	1663.99	1160.40	12.471
354.00	2.1876	1197.26	832.91	11.357	494.00	3.0356	1670.85	1165.26	12.485
356.00	2.1998	1203.90	837.51	11.376	496.00	3.0476	1677.71	1170.13	12.499
358.00	2.2121	1210.55	842.12	11.394	498.00	3.0596	1684.58	1174.99	12.512
360.00	2.2243	1217.19	846.73	11.413	500.00	3.0717	1691.45	1179.86	12.526
362.00	2.2365	1223.83	851.33	11.431	502.00	3.0837	1698.32	1184.73	12.540
364.00	2.2488	1230.47	855.93	11.450	504.00	3.0957	1705.19	1189.60	12.554
366.00	2.2610	1237.11	860.53	11.468	506.00	3.1077	1712.06	1194.47	12.567
368.00	2.2732	1243.75	865.14	11.486	508.00	3.1197	1718.94	1199.35	12.581
370.00	2.2854	1250.40	869.75	11.504	510.00	3.1317	1725.82	1204.23	12.594
372.00	2.2976	1257.05	874.37	11.522	512.00	3.1437	1732.70	1209.11	12.608
374.00	2.3098	1263.70	878.99	11.540	514.00	3.1557	1739.58	1214.00	12.621
376.00	2.3220	1270.35	883.61	11.558	516.00	3.1677	1746.47	1218.89	12.635
378.00	2.3342	1277.01	888.23	11.575	518.00	3.1797	1753.36	1223.78	12.648
380.00	2.3464	1283.67	892.86	11.593	520.00	3.1917	1760.26	1228.67	12.661
382.00	2.3586	1290.33	897.50	11.611	522.00	3.2037	1767.15	1233.57	12.674
384.00	2.3708	1297.00	902.14	11.628	524.00	3.2157	1774.05	1238.48	12.687
386.00	2.3830	1303.67	906.78	11.646	526.00	3.2277	1780.96	1243.38	12.701
388.00	2.3952	1310.35	911.43	11.663	528.00	3.2397	1787.86	1248.29	12.714
390.00	2.4073	1317.03	916.08	11.680	530.00	3.2516	1794.77	1253.20	12.727
392.00	2.4195	1323.72	920.74	11.697	532.00	3.2636	1801.68	1258.12	12.740
394.00	2.4317	1330.41	925.41	11.715	534.00	3.2756	1808.60	1263.04	12.753
396.00	2.4438	1337.10	930.08	11.732	536.00	3.2876	1815.51	1267.95	12.765
398.00	2.4560	1343.81	934.76	11.749	538.00	3.2996	1822.43	1272.88	12.778
400.00	2.4681	1350.51	939.44	11.765	540.00	3.3116	1829.35	1277.81	12.791

1000.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
54.00	.2252	184.11	142.43	4.672
56.00	.2287	188.78	146.30	4.770
58.00	.2322	194.42	151.31	4.871
60.00	.2359	200.61	156.87	4.973
62.00	.2403	207.13	162.65	5.077
64.00	.2453	213.84	168.47	5.181
66.00	.2511	220.69	174.27	5.285
68.00	.2577	227.69	180.04	5.389
70.00	.2651	234.85	185.82	5.494
72.00	.2731	242.21	191.66	5.599
74.00	.2818	249.80	197.63	5.705
76.00	.2911	257.63	203.74	5.812
78.00	.3008	265.71	210.02	5.919
80.00	.3110	274.03	216.48	6.026
82.00	.3215	282.57	223.08	6.132
84.00	.3324	291.30	229.80	6.238
86.00	.3436	300.16	236.60	6.343
88.00	.3552	309.11	243.41	6.446
90.00	.3671	318.11	250.18	6.547
92.00	.3793	327.09	256.86	6.646
94.00	.3919	336.02	263.40	6.742
96.00	.4050	344.86	269.77	6.835
98.00	.4186	353.58	275.92	6.925
100.00	.4327	362.15	281.86	7.012
102.00	.4473	370.57	287.58	7.095
104.00	.4623	378.83	293.09	7.176
106.00	.4778	386.95	298.41	7.253
108.00	.4936	394.93	303.58	7.328
110.00	.5089	402.93	308.81	7.402
112.00	.5241	410.83	313.97	7.473
114.00	.5392	418.65	319.05	7.542
116.00	.5540	426.39	324.08	7.609
118.00	.5686	434.05	329.06	7.675
120.00	.5829	441.64	334.00	7.738
122.00	.5968	449.17	338.89	7.801
124.00	.6105	456.62	343.73	7.861
126.00	.6239	463.99	348.53	7.920
128.00	.6378	471.24	353.18	7.977
130.00	.6516	478.41	357.76	8.033
132.00	.6653	485.50	362.29	8.087
134.00	.6790	492.53	366.76	8.139
136.00	.6927	499.48	371.17	8.191
138.00	.7064	506.38	375.54	8.241
140.00	.7201	513.21	379.85	8.290
142.00	.7339	519.98	384.12	8.338
144.00	.7476	526.69	388.35	8.385
146.00	.7609	533.36	392.55	8.431
148.00	.7742	539.97	396.71	8.476
150.00	.7874	546.54	400.84	8.520
152.00	.8006	553.06	404.94	8.563
154.00	.8136	559.55	409.02	8.606
156.00	.8266	566.00	413.07	8.647
158.00	.8394	572.42	417.10	8.688
160.00	.8522	578.81	421.11	8.728
162.00	.8650	585.18	425.11	8.768
164.00	.8777	591.53	429.11	8.807
166.00	.8905	597.88	433.10	8.846
168.00	.9031	604.20	437.08	8.883
170.00	.9158	610.52	441.06	8.921
172.00	.9283	616.83	445.04	8.958
174.00	.9409	623.13	449.02	8.994
176.00	.9534	629.42	453.01	9.031
178.00	.9658	635.71	456.99	9.066
180.00	.9782	641.99	460.98	9.101
182.00	.9906	648.26	464.95	9.136
184.00	1.0029	654.52	468.93	9.170
186.00	1.0152	660.77	472.90	9.204
188.00	1.0275	667.02	476.88	9.238
190.00	1.0397	673.26	480.86	9.271
192.00	1.0519	679.50	484.84	9.303
194.00	1.0641	685.73	488.82	9.336
196.00	1.0762	691.95	492.80	9.368
198.00	1.0883	698.17	496.78	9.399
200.00	1.1004	704.38	500.76	9.430
202.00	1.1124	710.59	504.74	9.461
204.00	1.1244	716.79	508.72	9.492
206.00	1.1364	722.99	512.70	9.522
208.00	1.1483	729.18	516.69	9.551
210.00	1.1602	735.37	520.68	9.581
212.00	1.1721	741.56	524.66	9.610
214.00	1.1840	747.74	528.65	9.639
216.00	1.1958	753.92	532.65	9.667
218.00	1.2075	760.10	536.65	9.695
220.00	1.2193	766.28	540.65	9.723
222.00	1.2310	772.46	544.65	9.751
224.00	1.2427	778.64	548.66	9.779
226.00	1.2544	784.84	552.69	9.806
228.00	1.2661	791.05	556.74	9.833
230.00	1.2777	797.27	560.80	9.860
232.00	1.2894	803.50	564.86	9.887
234.00	1.3010	809.73	568.94	9.914
236.00	1.3126	815.97	573.02	9.940
238.00	1.3242	822.21	577.11	9.967
240.00	1.3358	828.46	581.22	9.993
242.00	1.3474	834.72	585.33	10.019
244.00	1.3589	840.98	589.45	10.045
246.00	1.3705	847.25	593.58	10.070
248.00	1.3820	853.53	597.72	10.096
250.00	1.3935	859.82	601.88	10.121
252.00	1.4051	866.12	606.04	10.147
254.00	1.4166	872.42	610.21	10.172
256.00	1.4281	878.73	614.40	10.197
258.00	1.4396	885.05	618.59	10.221
260.00	1.4511	891.38	622.80	10.246

1000.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	1.4626	897.72	627.02	10.270	402.00	2.2431	1357.91	942.81	11.676
264.00	1.4741	904.07	631.24	10.295	404.00	2.2540	1364.65	947.53	11.692
266.00	1.4856	910.42	635.48	10.319	406.00	2.2650	1371.40	952.25	11.709
268.00	1.4971	916.78	639.73	10.343	408.00	2.2759	1378.16	956.98	11.726
270.00	1.5085	923.15	643.99	10.367	410.00	2.2869	1384.92	961.71	11.742
272.00	1.5199	929.52	648.25	10.391	412.00	2.2978	1391.68	966.45	11.759
274.00	1.5313	935.90	652.52	10.414	414.00	2.3087	1398.45	971.20	11.775
276.00	1.5426	942.29	656.81	10.437	416.00	2.3197	1405.24	975.96	11.791
278.00	1.5540	948.69	661.10	10.461	418.00	2.3306	1412.02	980.73	11.808
280.00	1.5653	955.09	665.41	10.484	420.00	2.3415	1418.82	985.50	11.824
282.00	1.5767	961.50	669.72	10.506	422.00	2.3525	1425.62	990.28	11.840
284.00	1.5880	967.92	674.05	10.529	424.00	2.3634	1432.42	995.06	11.856
286.00	1.5993	974.35	678.38	10.552	426.00	2.3743	1439.23	999.85	11.872
288.00	1.6106	980.79	682.73	10.574	428.00	2.3852	1446.04	1004.64	11.888
290.00	1.6219	987.24	687.08	10.597	430.00	2.3961	1452.85	1009.44	11.904
292.00	1.6332	993.69	691.45	10.619	432.00	2.4070	1459.67	1014.24	11.920
294.00	1.6445	1000.15	695.83	10.641	434.00	2.4179	1466.50	1019.04	11.935
296.00	1.6557	1006.62	700.21	10.663	436.00	2.4288	1473.32	1023.85	11.951
298.00	1.6670	1013.10	704.61	10.685	438.00	2.4397	1480.15	1028.67	11.967
300.00	1.6782	1019.59	709.02	10.706	440.00	2.4506	1486.98	1033.48	11.982
302.00	1.6895	1026.09	713.43	10.728	442.00	2.4615	1493.82	1038.30	11.998
304.00	1.7007	1032.59	717.86	10.749	444.00	2.4724	1500.66	1043.13	12.013
306.00	1.7119	1039.10	722.29	10.771	446.00	2.4833	1507.50	1047.95	12.028
308.00	1.7232	1045.62	726.74	10.792	448.00	2.4941	1514.34	1052.78	12.044
310.00	1.7344	1052.15	731.20	10.813	450.00	2.5050	1521.19	1057.61	12.059
312.00	1.7455	1058.69	735.66	10.834	452.00	2.5159	1528.03	1062.45	12.074
314.00	1.7567	1065.24	740.14	10.855	454.00	2.5268	1534.88	1067.28	12.089
316.00	1.7679	1071.79	744.62	10.876	456.00	2.5376	1541.73	1072.12	12.104
318.00	1.7791	1078.35	749.12	10.896	458.00	2.5485	1548.58	1076.95	12.119
320.00	1.7902	1084.92	753.62	10.917	460.00	2.5594	1555.44	1081.80	12.134
322.00	1.8014	1091.49	758.13	10.937	462.00	2.5702	1562.29	1086.65	12.149
324.00	1.8125	1098.07	762.64	10.957	464.00	2.5811	1569.15	1091.49	12.164
326.00	1.8237	1104.66	767.17	10.978	466.00	2.5920	1576.00	1096.34	12.179
328.00	1.8348	1111.25	771.70	10.998	468.00	2.6028	1582.86	1101.19	12.193
330.00	1.8459	1117.85	776.24	11.018	470.00	2.6137	1589.72	1106.04	12.208
332.00	1.8570	1124.45	780.79	11.037	472.00	2.6245	1596.58	1110.89	12.222
334.00	1.8681	1131.06	785.34	11.057	474.00	2.6354	1603.44	1115.75	12.237
336.00	1.8793	1137.67	789.90	11.077	476.00	2.6462	1610.30	1120.60	12.251
338.00	1.8904	1144.29	794.46	11.096	478.00	2.6571	1617.16	1125.46	12.266
340.00	1.9015	1150.92	799.03	11.116	480.00	2.6679	1624.03	1130.31	12.280
342.00	1.9125	1157.55	803.61	11.135	482.00	2.6787	1630.89	1135.17	12.295
344.00	1.9236	1164.18	808.19	11.155	484.00	2.6896	1637.76	1140.03	12.309
346.00	1.9347	1170.82	812.78	11.174	486.00	2.7004	1644.63	1144.89	12.323
348.00	1.9458	1177.46	817.37	11.193	488.00	2.7113	1651.49	1149.76	12.337
350.00	1.9569	1184.10	821.97	11.212	490.00	2.7221	1658.36	1154.62	12.351
352.00	1.9679	1190.75	826.57	11.231	492.00	2.7329	1665.23	1159.49	12.365
354.00	1.9790	1197.40	831.17	11.249	494.00	2.7437	1672.11	1164.36	12.379
356.00	1.9900	1204.06	835.78	11.268	496.00	2.7546	1678.98	1169.23	12.393
358.00	2.0011	1210.71	840.40	11.287	498.00	2.7654	1685.86	1174.10	12.407
360.00	2.0121	1217.38	845.01	11.305	500.00	2.7762	1692.74	1178.97	12.421
362.00	2.0232	1224.03	849.63	11.324	502.00	2.7871	1699.61	1183.85	12.435
364.00	2.0342	1230.69	854.24	11.342	504.00	2.7979	1706.50	1188.73	12.448
366.00	2.0452	1237.35	858.86	11.360	506.00	2.8087	1713.38	1193.61	12.462
368.00	2.0563	1244.01	863.48	11.379	508.00	2.8195	1720.27	1198.49	12.475
370.00	2.0673	1250.68	868.11	11.397	510.00	2.8303	1727.16	1203.38	12.489
372.00	2.0783	1257.35	872.75	11.415	512.00	2.8411	1734.05	1208.27	12.502
374.00	2.0893	1264.03	877.38	11.433	514.00	2.8520	1740.94	1213.16	12.516
376.00	2.1003	1270.70	882.02	11.451	516.00	2.8628	1747.84	1218.06	12.529
378.00	2.1113	1277.39	886.67	11.468	518.00	2.8736	1754.74	1222.96	12.543
380.00	2.1223	1284.07	891.32	11.486	520.00	2.8844	1761.64	1227.86	12.556
382.00	2.1333	1290.76	895.97	11.504	522.00	2.8952	1768.54	1232.76	12.569
384.00	2.1443	1297.46	900.63	11.521	524.00	2.9060	1775.45	1237.67	12.582
386.00	2.1553	1304.15	905.30	11.539	526.00	2.9168	1782.36	1242.58	12.595
388.00	2.1663	1310.86	909.97	11.556	528.00	2.9276	1789.27	1247.50	12.608
390.00	2.1773	1317.56	914.64	11.573	530.00	2.9384	1796.19	1252.41	12.621
392.00	2.1882	1324.28	919.32	11.591	532.00	2.9492	1803.11	1257.33	12.634
394.00	2.1992	1330.99	924.01	11.608	534.00	2.9600	1810.03	1262.25	12.647
396.00	2.2102	1337.71	928.70	11.625	536.00	2.9708	1816.95	1267.18	12.660
398.00	2.2211	1344.44	933.40	11.642	538.00	2.9816	1823.87	1272.11	12.673
400.00	2.2321	1351.17	938.10	11.659	540.00	2.9924	1830.80	1277.03	12.686

1250.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
					122.00	.4890	438.66	325.53	7.508
					124.00	.5002	446.11	330.39	7.570
					126.00	.5114	453.49	335.19	7.630
					128.00	.5225	460.85	339.99	7.688
					130.00	.5336	468.17	344.74	7.746
					132.00	.5447	475.44	349.45	7.801
					134.00	.5556	482.66	354.14	7.856
					136.00	.5666	489.83	358.78	7.909
					138.00	.5774	496.95	363.40	7.961
					140.00	.5882	504.03	367.97	8.011
					142.00	.5990	511.05	372.51	8.061
					144.00	.6096	518.03	377.01	8.109
					146.00	.6203	524.91	381.42	8.156
					148.00	.6309	531.74	385.80	8.203
					150.00	.6414	538.52	390.13	8.248
					152.00	.6520	545.25	394.42	8.293
					154.00	.6624	551.92	398.68	8.336
					156.00	.6729	558.56	402.89	8.379
					158.00	.6833	565.15	407.08	8.421
					160.00	.6937	571.71	411.24	8.462
					162.00	.7040	578.23	415.37	8.503
					164.00	.7143	584.75	419.51	8.543
					166.00	.7246	591.24	423.63	8.582
					168.00	.7348	597.72	427.74	8.621
					170.00	.7450	604.18	431.85	8.659
					172.00	.7552	610.63	435.94	8.697
					174.00	.7653	617.07	440.04	8.735
					176.00	.7754	623.50	444.13	8.772
					178.00	.7855	629.92	448.22	8.808
					180.00	.7956	636.34	452.31	8.844
					182.00	.8056	642.73	456.38	8.880
					184.00	.8156	649.11	460.45	8.915
					186.00	.8256	655.49	464.52	8.949
					188.00	.8356	661.86	468.59	8.983
					190.00	.8455	668.22	472.66	9.017
					192.00	.8554	674.58	476.73	9.051
54.00	.2183	188.52	138.02	4.616	194.00	.8653	680.93	480.80	9.084
56.00	.2206	193.45	142.47	4.694	196.00	.8752	687.27	484.87	9.116
58.00	.2232	198.59	146.99	4.778	198.00	.8850	693.61	488.94	9.148
60.00	.2263	203.97	151.64	4.868	200.00	.8948	699.94	493.01	9.180
62.00	.2298	209.62	156.45	4.960	202.00	.9046	706.27	497.09	9.212
64.00	.2338	215.55	161.44	5.056	204.00	.9143	712.59	501.16	9.243
66.00	.2383	221.74	166.60	5.152	206.00	.9240	718.91	505.24	9.273
68.00	.2432	228.19	171.92	5.251	208.00	.9337	725.22	509.31	9.304
70.00	.2485	234.87	177.38	5.349	210.00	.9434	731.53	513.39	9.334
72.00	.2542	241.76	182.96	5.448	212.00	.9530	737.84	517.48	9.363
74.00	.2603	248.85	188.64	5.548	214.00	.9625	744.14	521.56	9.393
76.00	.2669	256.12	194.41	5.647	216.00	.9721	750.44	525.65	9.422
78.00	.2738	263.55	200.24	5.745	218.00	.9816	756.74	529.74	9.451
80.00	.2810	271.12	206.13	5.843	220.00	.9910	763.04	533.84	9.479
82.00	.2887	278.81	212.07	5.939	222.00	1.0005	769.34	537.94	9.507
84.00	.2966	286.63	218.04	6.035	224.00	1.0099	775.64	542.04	9.535
86.00	.3049	294.54	224.04	6.129	226.00	1.0193	781.94	546.16	9.563
88.00	.3134	302.54	230.05	6.221	228.00	1.0288	788.27	550.29	9.591
90.00	.3223	310.62	236.08	6.312	230.00	1.0382	794.59	554.42	9.618
92.00	.3314	318.76	242.10	6.401	232.00	1.0476	800.92	558.56	9.645
94.00	.3408	326.95	248.12	6.487	234.00	1.0570	807.25	562.71	9.672
96.00	.3504	335.17	254.12	6.572	236.00	1.0664	813.58	566.87	9.699
98.00	.3602	343.42	260.09	6.655	238.00	1.0758	819.92	571.03	9.726
100.00	.3702	351.66	266.02	6.735	240.00	1.0852	826.27	575.21	9.753
102.00	.3804	359.90	271.90	6.814	242.00	1.0945	832.61	579.38	9.779
104.00	.3907	368.10	277.71	6.890	244.00	1.1039	838.97	583.57	9.805
106.00	.4013	376.27	283.44	6.965	246.00	1.1132	845.32	587.77	9.831
108.00	.4119	384.37	289.09	7.038	248.00	1.1226	851.69	591.97	9.857
110.00	.4227	392.38	294.60	7.110	250.00	1.1319	858.05	596.18	9.883
112.00	.4336	400.30	300.00	7.180	252.00	1.1412	864.43	600.40	9.908
114.00	.4445	408.14	305.30	7.248	254.00	1.1505	870.81	604.63	9.934
116.00	.4556	415.89	310.49	7.315	256.00	1.1598	877.19	608.87	9.959
118.00	.4667	423.56	315.59	7.381	258.00	1.1691	883.59	613.11	9.984
120.00	.4779	431.15	320.60	7.445	260.00	1.1784	889.99	617.37	10.009

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	1.1877	896.39	621.63	10.033	402.00	1.8164	1359.83	939.65	11.449
264.00	1.1969	902.81	625.91	10.058	404.00	1.8253	1366.63	944.41	11.466
266.00	1.2062	909.23	630.19	10.082	406.00	1.8341	1373.43	949.17	11.482
268.00	1.2155	915.66	634.49	10.106	408.00	1.8429	1380.24	953.94	11.499
270.00	1.2247	922.09	638.79	10.131	410.00	1.8517	1387.05	958.72	11.516
272.00	1.2339	928.54	643.11	10.154	412.00	1.8604	1393.86	963.50	11.532
274.00	1.2431	934.99	647.43	10.178	414.00	1.8692	1400.68	968.28	11.549
276.00	1.2523	941.45	651.77	10.202	416.00	1.8780	1407.51	973.08	11.565
278.00	1.2614	947.92	656.12	10.225	418.00	1.8868	1414.33	977.87	11.582
280.00	1.2706	954.40	660.47	10.248	420.00	1.8956	1421.16	982.67	11.598
282.00	1.2798	960.88	664.84	10.271	422.00	1.9044	1427.99	987.47	11.614
284.00	1.2889	967.37	669.21	10.294	424.00	1.9131	1434.83	992.28	11.630
286.00	1.2980	973.87	673.60	10.317	426.00	1.9219	1441.67	997.09	11.646
288.00	1.3072	980.37	677.99	10.340	428.00	1.9307	1448.51	1001.91	11.662
290.00	1.3163	986.89	682.40	10.362	430.00	1.9394	1455.36	1006.72	11.678
292.00	1.3254	993.40	686.81	10.385	432.00	1.9482	1462.20	1011.54	11.694
294.00	1.3345	999.93	691.23	10.407	434.00	1.9570	1469.05	1016.37	11.710
296.00	1.3436	1006.46	695.66	10.429	436.00	1.9657	1475.91	1021.20	11.725
298.00	1.3527	1013.00	700.10	10.451	438.00	1.9745	1482.76	1026.03	11.741
300.00	1.3617	1019.55	704.54	10.473	440.00	1.9832	1489.62	1030.86	11.757
302.00	1.3708	1026.10	709.00	10.495	442.00	1.9920	1496.48	1035.69	11.772
304.00	1.3799	1032.65	713.46	10.517	444.00	2.0007	1503.34	1040.53	11.788
306.00	1.3889	1039.22	717.93	10.538	446.00	2.0094	1510.20	1045.37	11.803
308.00	1.3980	1045.78	722.40	10.559	448.00	2.0182	1517.07	1050.22	11.818
310.00	1.4070	1052.35	726.88	10.581	450.00	2.0269	1523.93	1055.06	11.834
312.00	1.4160	1058.92	731.36	10.602	452.00	2.0356	1530.80	1059.91	11.849
314.00	1.4250	1065.50	735.86	10.623	454.00	2.0444	1537.67	1064.76	11.864
316.00	1.4340	1072.08	740.36	10.644	456.00	2.0531	1544.54	1069.61	11.879
318.00	1.4430	1078.67	744.86	10.665	458.00	2.0618	1551.41	1074.47	11.894
320.00	1.4520	1085.27	749.38	10.685	460.00	2.0706	1558.29	1079.32	11.909
322.00	1.4610	1091.87	753.89	10.706	462.00	2.0793	1565.16	1084.18	11.924
324.00	1.4700	1098.47	758.42	10.726	464.00	2.0880	1572.04	1089.04	11.939
326.00	1.4790	1105.08	762.95	10.747	466.00	2.0967	1578.92	1093.90	11.954
328.00	1.4880	1111.69	767.49	10.767	468.00	2.1054	1585.80	1098.76	11.969
330.00	1.4969	1118.31	772.03	10.787	470.00	2.1141	1592.68	1103.63	11.983
332.00	1.5059	1124.93	776.59	10.807	472.00	2.1229	1599.56	1108.49	11.998
334.00	1.5148	1131.56	781.14	10.827	474.00	2.1316	1606.44	1113.36	12.013
336.00	1.5238	1138.19	785.71	10.847	476.00	2.1403	1613.33	1118.23	12.027
338.00	1.5327	1144.83	790.27	10.866	478.00	2.1490	1620.21	1123.10	12.042
340.00	1.5416	1151.47	794.85	10.886	480.00	2.1577	1627.10	1127.98	12.056
342.00	1.5506	1158.11	799.43	10.905	482.00	2.1664	1633.99	1132.85	12.070
344.00	1.5595	1164.76	804.02	10.925	484.00	2.1751	1640.88	1137.73	12.085
346.00	1.5684	1171.42	808.61	10.944	486.00	2.1838	1647.77	1142.61	12.099
348.00	1.5773	1178.08	813.21	10.963	488.00	2.1925	1654.66	1147.49	12.113
350.00	1.5862	1184.75	817.81	10.982	490.00	2.2012	1661.55	1152.37	12.127
352.00	1.5951	1191.42	822.43	11.001	492.00	2.2099	1668.45	1157.26	12.141
354.00	1.6040	1198.09	827.04	11.020	494.00	2.2186	1675.35	1162.15	12.155
356.00	1.6129	1204.77	831.67	11.039	496.00	2.2272	1682.25	1167.03	12.169
358.00	1.6218	1211.46	836.29	11.058	498.00	2.2359	1689.15	1171.93	12.183
360.00	1.6307	1218.15	840.93	11.077	500.00	2.2446	1696.05	1176.82	12.197
362.00	1.6396	1224.85	845.57	11.095	502.00	2.2533	1702.95	1181.71	12.211
364.00	1.6485	1231.55	850.22	11.114	504.00	2.2620	1709.86	1186.61	12.225
366.00	1.6573	1238.26	854.88	11.132	506.00	2.2707	1716.77	1191.51	12.238
368.00	1.6662	1244.97	859.54	11.150	508.00	2.2793	1723.68	1196.41	12.252
370.00	1.6751	1251.69	864.20	11.168	510.00	2.2880	1730.59	1201.32	12.265
372.00	1.6839	1258.41	868.88	11.187	512.00	2.2967	1737.50	1206.22	12.279
374.00	1.6928	1265.14	873.55	11.205	514.00	2.3054	1744.42	1211.13	12.292
376.00	1.7016	1271.87	878.24	11.223	516.00	2.3140	1751.33	1216.04	12.306
378.00	1.7105	1278.61	882.93	11.240	518.00	2.3227	1758.25	1220.96	12.319
380.00	1.7193	1285.35	887.62	11.258	520.00	2.3314	1765.17	1225.87	12.332
382.00	1.7282	1292.10	892.33	11.276	522.00	2.3401	1772.10	1230.79	12.346
384.00	1.7370	1298.85	897.03	11.294	524.00	2.3487	1779.02	1235.71	12.359
386.00	1.7459	1305.61	901.75	11.311	526.00	2.3574	1785.95	1240.64	12.372
388.00	1.7547	1312.37	906.46	11.329	528.00	2.3661	1792.88	1245.56	12.385
390.00	1.7635	1319.14	911.19	11.346	530.00	2.3747	1799.81	1250.49	12.398
392.00	1.7724	1325.91	915.92	11.363	532.00	2.3834	1806.74	1255.42	12.411
394.00	1.7812	1332.68	920.65	11.381	534.00	2.3920	1813.68	1260.35	12.424
396.00	1.7900	1339.46	925.39	11.398	536.00	2.4007	1820.61	1265.28	12.437
398.00	1.7988	1346.25	930.14	11.415	538.00	2.4093	1827.55	1270.22	12.450
400.00	1.8076	1353.04	934.89	11.432	540.00	2.4180	1834.49	1275.15	12.463

1500.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
54.00	.2121	193.37	134.52	4.565
56.00	.2160	198.28	138.44	4.642
58.00	.2193	203.09	142.32	4.726
60.00	.2223	208.02	146.38	4.813
62.00	.2251	213.17	150.71	4.901
64.00	.2279	218.62	155.34	4.989
66.00	.2310	224.40	160.27	5.078
68.00	.2342	230.48	165.44	5.166
70.00	.2379	236.85	170.82	5.256
72.00	.2419	243.47	176.34	5.346
74.00	.2463	250.31	181.95	5.436
76.00	.2512	257.32	187.61	5.527
78.00	.2565	264.47	193.28	5.619
80.00	.2623	271.73	198.95	5.710
82.00	.2684	279.08	204.59	5.802
84.00	.2748	286.50	210.21	5.893
86.00	.2816	293.97	215.81	5.982
88.00	.2885	301.47	221.39	6.070
90.00	.2957	309.02	226.96	6.156
92.00	.3030	316.60	232.53	6.239
94.00	.3104	324.21	238.11	6.320
96.00	.3178	331.84	243.71	6.398
98.00	.3252	339.51	249.33	6.473
100.00	.3327	347.20	254.96	6.546
102.00	.3401	354.90	260.60	6.616
104.00	.3476	362.63	266.23	6.684
106.00	.3551	370.36	271.84	6.750
108.00	.3627	378.10	277.42	6.816
110.00	.3706	385.78	282.86	6.882
112.00	.3787	393.45	288.22	6.948
114.00	.3870	401.10	293.51	7.014
116.00	.3956	408.73	298.72	7.079
118.00	.4044	416.33	303.86	7.144
120.00	.4135	423.89	308.93	7.209
122.00	.4227	431.43	313.93	7.273
124.00	.4322	438.93	318.88	7.337
126.00	.4417	446.40	323.78	7.399
128.00	.4509	453.84	328.71	7.459
130.00	.4601	461.25	333.60	7.517
132.00	.4692	468.61	338.47	7.574
134.00	.4783	475.93	343.30	7.629
136.00	.4872	483.20	348.09	7.683
138.00	.4960	490.42	352.86	7.736
140.00	.5047	497.59	357.59	7.786
142.00	.5133	504.71	362.27	7.836
144.00	.5218	511.78	366.92	7.885
146.00	.5306	518.78	371.48	7.933
148.00	.5393	525.73	376.00	7.980
150.00	.5480	532.62	380.47	8.026
152.00	.5567	539.47	384.90	8.071
154.00	.5653	546.27	389.29	8.116
156.00	.5740	553.02	393.63	8.159
158.00	.5827	559.73	397.94	8.202
160.00	.5914	566.41	402.22	8.245
162.00	.6001	573.05	406.47	8.286
164.00	.6087	579.67	410.71	8.327
166.00	.6172	586.27	414.95	8.367
168.00	.6258	592.86	419.16	8.406
170.00	.6343	599.42	423.37	8.445
172.00	.6427	605.97	427.56	8.483
174.00	.6512	612.50	431.75	8.521
176.00	.6596	619.03	435.94	8.558
178.00	.6680	625.55	440.12	8.595
180.00	.6764	632.06	444.31	8.632
182.00	.6848	638.55	448.47	8.667
184.00	.6931	645.02	452.63	8.703
186.00	.7015	651.49	456.79	8.738
188.00	.7098	657.96	460.94	8.772
190.00	.7181	664.41	465.10	8.807
192.00	.7264	670.86	469.25	8.840
194.00	.7346	677.31	473.41	8.874
196.00	.7429	683.74	477.55	8.907
198.00	.7511	690.18	481.72	8.939
200.00	.7593	696.61	485.87	8.971
202.00	.7675	703.03	490.03	9.003
204.00	.7757	709.46	494.18	9.035
206.00	.7838	715.87	498.34	9.066
208.00	.7920	722.29	502.50	9.097
210.00	.8001	728.70	506.65	9.128
212.00	.8082	735.11	510.82	9.158
214.00	.8162	741.51	514.99	9.188
216.00	.8243	747.92	519.16	9.217
218.00	.8323	754.32	523.33	9.247
220.00	.8403	760.72	527.50	9.276
222.00	.8482	767.12	531.67	9.305
224.00	.8562	773.51	535.85	9.333
226.00	.8641	779.91	540.04	9.362
228.00	.8721	786.32	544.24	9.390
230.00	.8801	792.74	548.44	9.418
232.00	.8880	799.15	552.65	9.446
234.00	.8959	805.56	556.86	9.473
236.00	.9038	811.97	561.08	9.501
238.00	.9117	818.39	565.30	9.528
240.00	.9196	824.81	569.53	9.555
242.00	.9275	831.23	573.77	9.581
244.00	.9354	837.65	578.01	9.608
246.00	.9432	844.07	582.26	9.634
248.00	.9510	850.50	586.51	9.660
250.00	.9589	856.94	590.77	9.686
252.00	.9667	863.37	595.04	9.712
254.00	.9745	869.81	599.32	9.737
256.00	.9823	876.26	603.60	9.763
258.00	.9900	882.71	607.89	9.788
260.00	.9978	889.17	612.19	9.813

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	1.0056	895.63	616.50	9.838	402.00	1.5324	1362.16	936.78	11.263
264.00	1.0133	902.10	620.82	9.863	404.00	1.5398	1368.99	941.56	11.280
266.00	1.0211	908.57	625.14	9.887	406.00	1.5472	1375.82	946.34	11.297
268.00	1.0288	915.05	629.48	9.912	408.00	1.5545	1382.65	951.14	11.314
270.00	1.0365	921.54	633.82	9.936	410.00	1.5619	1389.49	955.93	11.330
272.00	1.0442	928.05	638.19	9.960	412.00	1.5692	1396.33	960.73	11.347
274.00	1.0519	934.57	642.56	9.984	414.00	1.5766	1403.18	965.53	11.364
276.00	1.0596	941.09	646.94	10.007	416.00	1.5840	1410.03	970.34	11.380
278.00	1.0673	947.62	651.34	10.031	418.00	1.5913	1416.88	975.15	11.396
280.00	1.0750	954.16	655.74	10.054	420.00	1.5986	1423.73	979.97	11.413
282.00	1.0827	960.70	660.15	10.078	422.00	1.6060	1430.59	984.79	11.429
284.00	1.0904	967.26	664.57	10.101	424.00	1.6133	1437.45	989.62	11.445
286.00	1.0980	973.82	669.01	10.124	426.00	1.6207	1444.31	994.44	11.461
288.00	1.1057	980.38	673.45	10.147	428.00	1.6280	1451.18	999.27	11.477
290.00	1.1133	986.96	677.89	10.170	430.00	1.6353	1458.05	1004.11	11.493
292.00	1.1210	993.54	682.35	10.192	432.00	1.6426	1464.92	1008.95	11.509
294.00	1.1286	1000.12	686.82	10.215	434.00	1.6500	1471.79	1013.79	11.525
296.00	1.1363	1006.71	691.29	10.237	436.00	1.6573	1478.67	1018.63	11.541
298.00	1.1439	1013.31	695.77	10.259	438.00	1.6646	1485.54	1023.47	11.556
300.00	1.1515	1019.92	700.26	10.281	440.00	1.6719	1492.42	1028.32	11.572
302.00	1.1591	1026.53	704.76	10.303	442.00	1.6792	1499.30	1033.17	11.587
304.00	1.1668	1033.14	709.27	10.325	444.00	1.6865	1506.19	1038.03	11.603
306.00	1.1744	1039.76	713.78	10.347	446.00	1.6938	1513.07	1042.88	11.618
308.00	1.1820	1046.38	718.29	10.368	448.00	1.7011	1519.96	1047.74	11.634
310.00	1.1895	1053.00	722.81	10.390	450.00	1.7084	1526.85	1052.60	11.649
312.00	1.1971	1059.63	727.33	10.411	452.00	1.7157	1533.74	1057.47	11.664
314.00	1.2047	1066.25	731.86	10.432	454.00	1.7230	1540.63	1062.33	11.680
316.00	1.2122	1072.89	736.39	10.453	456.00	1.7303	1547.52	1067.20	11.695
318.00	1.2198	1079.52	740.93	10.474	458.00	1.7376	1554.41	1072.07	11.710
320.00	1.2273	1086.16	745.48	10.495	460.00	1.7449	1561.31	1076.94	11.725
322.00	1.2349	1092.81	750.03	10.516	462.00	1.7522	1568.21	1081.81	11.740
324.00	1.2424	1099.45	754.59	10.536	464.00	1.7595	1575.11	1086.69	11.755
326.00	1.2499	1106.11	759.15	10.557	466.00	1.7668	1582.00	1091.56	11.770
328.00	1.2574	1112.76	763.72	10.577	468.00	1.7741	1588.91	1096.44	11.784
330.00	1.2649	1119.42	768.30	10.597	470.00	1.7814	1595.81	1101.32	11.799
332.00	1.2724	1126.08	772.88	10.617	472.00	1.7886	1602.71	1106.21	11.814
334.00	1.2799	1132.75	777.46	10.638	474.00	1.7959	1609.62	1111.09	11.828
336.00	1.2874	1139.42	782.05	10.657	476.00	1.8032	1616.52	1115.98	11.843
338.00	1.2949	1146.09	786.65	10.677	478.00	1.8105	1623.43	1120.86	11.858
340.00	1.3024	1152.77	791.25	10.697	480.00	1.8178	1630.34	1125.75	11.872
342.00	1.3099	1159.45	795.85	10.717	482.00	1.8250	1637.25	1130.64	11.886
344.00	1.3173	1166.14	800.47	10.736	484.00	1.8323	1644.16	1135.54	11.901
346.00	1.3248	1172.83	805.09	10.756	486.00	1.8396	1651.07	1140.43	11.915
348.00	1.3323	1179.53	809.71	10.775	488.00	1.8468	1657.99	1145.33	11.929
350.00	1.3397	1186.23	814.34	10.794	490.00	1.8541	1664.90	1150.23	11.944
352.00	1.3472	1192.93	818.97	10.813	492.00	1.8614	1671.82	1155.13	11.958
354.00	1.3546	1199.64	823.61	10.832	494.00	1.8686	1678.74	1160.03	11.972
356.00	1.3621	1206.35	828.26	10.851	496.00	1.8759	1685.66	1164.94	11.986
358.00	1.3695	1213.07	832.91	10.870	498.00	1.8831	1692.58	1169.84	12.000
360.00	1.3769	1219.79	837.57	10.889	500.00	1.8904	1699.50	1174.75	12.014
362.00	1.3844	1226.52	842.24	10.907	502.00	1.8977	1706.43	1179.66	12.027
364.00	1.3918	1233.26	846.91	10.926	504.00	1.9049	1713.35	1184.57	12.041
366.00	1.3992	1240.00	851.59	10.945	506.00	1.9122	1720.28	1189.49	12.055
368.00	1.4067	1246.75	856.28	10.963	508.00	1.9194	1727.21	1194.40	12.069
370.00	1.4141	1253.50	860.97	10.981	510.00	1.9267	1734.14	1199.32	12.082
372.00	1.4215	1260.26	865.66	10.999	512.00	1.9339	1741.08	1204.24	12.096
374.00	1.4289	1267.02	870.37	11.018	514.00	1.9412	1748.01	1209.17	12.109
376.00	1.4363	1273.79	875.07	11.036	516.00	1.9484	1754.95	1214.09	12.123
378.00	1.4437	1280.56	879.79	11.054	518.00	1.9557	1761.88	1219.02	12.136
380.00	1.4511	1287.33	884.51	11.072	520.00	1.9629	1768.82	1223.95	12.149
382.00	1.4585	1294.11	889.23	11.089	522.00	1.9701	1775.76	1228.88	12.163
384.00	1.4659	1300.90	893.96	11.107	524.00	1.9774	1782.71	1233.81	12.176
386.00	1.4733	1307.69	898.70	11.125	526.00	1.9846	1789.65	1238.75	12.189
388.00	1.4807	1314.48	903.44	11.142	528.00	1.9919	1796.60	1243.68	12.202
390.00	1.4881	1321.28	908.19	11.160	530.00	1.9991	1803.54	1248.62	12.215
392.00	1.4955	1328.08	912.94	11.177	532.00	2.0063	1810.49	1253.56	12.228
394.00	1.5029	1334.89	917.70	11.195	534.00	2.0136	1817.44	1258.51	12.241
396.00	1.5103	1341.70	922.46	11.212	536.00	2.0208	1824.40	1263.45	12.254
398.00	1.5177	1348.52	927.23	11.229	538.00	2.0280	1831.35	1268.40	12.267
400.00	1.5250	1355.34	932.00	11.246	540.00	2.0352	1838.30	1273.35	12.280

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U. S. DEPARTMENT OF COMMERCE
Luther H. Hodges, *Secretary*

NATIONAL BUREAU OF STANDARDS
A. V. Astin, *Director*

THE NATIONAL BUREAU OF STANDARDS

The scope of activities of the National Bureau of Standards at its major laboratories in Washington, D.C., and Boulder, Colorado, is suggested in the following listing of the divisions and sections engaged in technical work. In general, each section carries out specialized research, development, and engineering in the field indicated by its title. A brief description of the activities, and of the resultant publications, appears on the inside of the front cover.

WASHINGTON, D. C.

Electricity. Resistance and Reactance. Electrochemistry. Electrical Instruments. Magnetic Measurements. Dielectrics. High Voltage.

Metrology. Photometry and Colorimetry. Refractometry. Photographic Research. Length. Engineering Metrology. Mass and Scale. Volumetry and Densimetry.

Heat. Temperature Physics. Heat Measurements. Cryogenic Physics. Equation of State. Statistical Physics.

Radiation Physics. X-ray. Radioactivity. Radiation Theory. High Energy Radiation. Radiological Equipment. Nucleonic Instrumentation. Neutron Physics.

Analytical and Inorganic Chemistry. Pure Substances. Spectrochemistry. Solution Chemistry. Standard Reference Materials. Applied Analytical Research. Crystal Chemistry.

Mechanics. Sound. Pressure and Vacuum. Fluid Mechanics. Engineering Mechanics. Rheology. Combustion Controls.

Polymers. Macromolecules: Synthesis and Structure. Polymer Chemistry. Polymer Physics. Polymer Characterization. Polymer Evaluation and Testing. Applied Polymer Standards and Research. Dental Research.

Metallurgy. Engineering Metallurgy. Microscopy and Diffraction. Metal Reactions. Metal Physics. Electrolysis and Metal Deposition.

Inorganic Solids. Engineering Ceramics. Glass. Solid State Chemistry. Crystal Growth. Physical Properties. Crystallography.

Building Research. Structural Engineering. Fire Research. Mechanical Systems. Organic Building Materials. Codes and Safety Standards. Heat Transfer. Inorganic Building Materials. Metallic Building Materials.

Applied Mathematics. Numerical Analysis. Computation. Statistical Engineering. Mathematical Physics. Operations Research.

Data Processing Systems. Components and Techniques. Computer Technology. Measurements Automation. Engineering Applications. Systems Analysis.

Atomic Physics. Spectroscopy. Infrared Spectroscopy. Solid State Physics. Electron Physics. Atomic Physics.

Instrumentation. Engineering Electronics. Electron Devices. Electronic Instrumentation. Mechanical Instruments. Basic Instrumentation.

Physical Chemistry. Thermochemistry. Surface Chemistry. Organic Chemistry. Molecular Spectroscopy. Molecular Kinetics. Mass Spectrometry.

Office of Weights and Measures.

BOULDER, COLO.

Cryogenic Engineering Laboratory. Cryogenic Equipment. Cryogenic Processes. Properties of Materials. Cryogenic Technical Services.

CENTRAL RADIO PROPAGATION LABORATORY

Ionosphere Research and Propagation. Low Frequency and Very Low Frequency Research. Ionosphere Research. Prediction Services. Sun-Earth Relationships. Field Engineering. Radio Warning Services. Vertical Soundings Research.

Radio Propagation Engineering. Data Reduction Instrumentation. Radio Noise. Tropospheric Measurements. Tropospheric Analysis. Propagation-Terrain Effects. Radio-Meteorology. Lower Atmosphere Physics.

Radio Systems. Applied Electromagnetic Theory. High Frequency and Very High Frequency Research. Modulation Research. Antenna Research. Navigation Systems.

Upper Atmosphere and Space Physics. Upper Atmosphere and Plasma Physics. Ionosphere and Exosphere Scatter. Airglow and Aurora. Ionospheric Radio Astronomy.

RADIO STANDARDS LABORATORY

Radio Physics. Radio Broadcast Service. Radio and Microwave Materials. Atomic Frequency and Time-Interval Standards. Millimeter-Wave Research.

Circuit Standards. High Frequency Electrical Standards. Microwave Circuit Standards. Electronic Calibration Center.